



**CV of Scott J. Taylor, CDP, Expert Animator of Accident and Criminal Reconstructions**

864-288-1961, Email TrialAnimations@Charter.net, 1 Brynhurst Circle, Greenville, SC, 29615

Temporary web site <https://www.seakexperts.com/members/11000-scott-j-taylor>

**criminal defense items are tagged in purple below**

Scott has been America's leader winning cases by animating Reconstructions. and has been retained in: 271 cases, 38 states, 37 specialties, 25 testimonies, plaintiffs or defendants, **25 criminal cases**, over 30 years. He initially researched 9 "rules of evidence" books to pioneer the 1991 **judges admissibility questions** document for a **National Institute of Trial Advocacy** (NITA) presentation by attorney Kendall Few (SC), which enabled first animations jury viewing in many states. He has 12 main qualifications:

- 1-** He has been retained in 41 new cases since 2009 (including 5 Trucking and **5 Criminal Defense**).
- 2-** His fee is 51.5% less than Reconstructionsit expert's 2021 averages, and more savings are in #10 below.
- 3-** 36% of cases were repeats animations for attorneys or experts in prior cases, in his 2009 study.
- 4-** He was honored twice to be invited to speak with Federal Judge Anderson, at CLE programs where the Judge stated "It is difficult to imagine a more effective tool (than animations) for enhancing your case presentation...A Bar study reported "The combination of verbal and visual delivery is remembered six times as effectively as verbal delivery alone".
- 5-** Mr. Taylor was the pioneer who wrote an admissibility paper suggesting American Judge's qualifying animations questions, based on 12 Law books of "Federal Evidence Rules" precedents, for Attorney Kendall Few to present live to the National Institute For Trial Advocacy (NITA), annual meeting in Keystone, Colorado. Kendall was awarded the Southern Trial Lawyers Warhorse Award, also referred to as a "widely respected trial lawyer" by CBS 60 Minutes, and recognized as an automotive safety "Watchdog" by Automotive News.
- 6-** 87% of Scott's cases settled early (if finished 1 month before trial), and 9% "won" in trial (2009 study).
- 7-** Trucking cases were 61% of animations and reconstruction labor hours, as found in his 2009 study.
- 8-** As a pioneer he testified for 1st animations jury viewing in SC, and many other states.
- 9-** He was qualified as an Expert for Animations of Reconstructions, in Federal, State, and **Criminal Courts**.
- 10- Clients have received large financial savings for cases**, because,
  - Depositions or trials are seldom needed since his report or Affidavit explains case theory, how animations agree with evidence, reconstruction formulas technical references, and why different theories are improbable.
  - To save the costs of surveys or visiting the accident or **criminal** site, he utilizes satellite photos/measures, expert's reconstructions, police report, photos, local site people, depositions or statements, and diagrams.
  - Almost all attorneys postpone deposition costs until after the usual 87% early settlement (2009 study).
- 11-** Return on investment usually returns costs many times over, many tenfold, and some greater.

**12-** Attorneys and experts in 38 states, report they can justify requests for more equitable early settlement amounts, enabling settling before trial, avoiding trial time, and trial risks.



**13-** An expansion on topic #4 above- Scott is honored that Federal Judge G. Ross Anderson invited him to present 15 animations with him in 2 CLEs, first at an Annual SC Trial Lawyers Convention at Hilton Head Island, where the Judge stated "Computer animation allows attorneys [and Experts] to convert witnesses' verbal testimony into dynamic, visual demonstrations capable of mentally transporting jurors to the scene. It is difficult to imagine a more effective tool (than animations) for enhancing your case presentation." The Judge also stated in a trial transcript- "animation would show in approximately two minutes the... entire theory of the case and the testimony of the expert, along with that of numerous other eye witnesses which would otherwise probably take two days of trial time." An American Bar Association study discovered that, "after three days...the combination of verbal and visual delivery of information is remembered six times as effectively as verbal delivery alone."

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Next are Mr. Taylor's achievements highlights, before beginning his animations reconstructions career.- Documents of authenticity are provided to judges, of most test scores, IQ, evaluations, etc.

At age 13 he became the **youngest Eagle Scout, by one year less than the youngest other Eagle** of 72,000 city people, and passed 36 verbal exams for badges. He also opened business as breeder and seller of tropical fishes, and moths. He set records for- 3 Swim Meet events of crawl, backstroke, and underwater- against competitors a year older than him, as well as Jr. High School "push ups", and High School "rope climb". At age 17 he taught himself Scuba Diving and night underwater compass navigation. He was a Minnesota YMCA guide for one week canoe trips near Canada. His Purdue Engineering entrance aptitude test was 98% in Mathematics Formulations. Purdue recently earned the No. 4 ranking on CNBC's 2020 list of the top public U.S. colleges that .... provide students the highest average salaries for their tuition dollars. He scored **99% in Mathematics Usage on a College Merit Scholarship Exam.** Purdue scored # 8 in Scott's minor of **Quantitative Analysis/Methods (A.I.)**, by U.S.News & World Report (2019).

He attended classes of **Purdue Engineering Physics, Mathematics, Operations Research, and A.I. Artificial Intelligence** (of Statistics, Simulations, Linear Programming, Math Models, CPM Critical Path Method, etc.). He invented a geometric method to optimize shop floor layouts, which was >96% accurate as compared to a Purdue computer A.I.. He held his Fraternity positions as Pledge Class President, Pledges Trainer, Activities Chairman, Rush Chairman, Publicity Chairman, Big Brother for 5 pledges, as well as annual Waterfalls Dances Manager. He also was a Sailing Racing Team member, Pledges President of Purdue Skull and Crescent Activities Honorary, a member of both the Junior Intra Fraternity Council and Student Union, and owned/operated 2 concessions of Laundry and Cigarettes.

At age 22, Mr. Taylor Scored **IQ="A" in an IBM hiring PAT Programmers Aptitude Hiring Test.** He tested into 2 Navy schools, and in 11 months graduated from Officers School and Supply Corps School, as well as volunteered for an optional Navy "Supply Advanced Data Processing Course", of 16 hours = ~ 3 hours university credit. His NAVY background investigation qualified him for a "**Top Secret Security Clearance**", to be an A.I. Cryptography Officer, paymaster with \$2.6 million cash, winner as defense attorney in defense of a sailor, and achieved "Lieutenant" rank (highest achievable in 3 years of active duty). Volunteered A.I. statistics to find the most efficient correction of the ship's parts inventory accuracy. **For the NAVY FBI, he proved who was a pay line criminal (with A.I. methods of computer results, statistics, set theory, logic, and serial numbers).** He volunteered to program a computerized "Ship Decommissioning Control System".

He was twice evaluated on two Navy ships in Vietnam War duty as **"One of the top few" officers for promotion**. His first NAVY ship Captain's evaluations of him included, **"Taylor...eagerly studied and practiced, to complete all tasks to qualify for the title of "OOD Officer On Deck"- to navigate and drive our LST ship, including difficult night stars navigation)."..."The most important remembrance of Scott was his irrepressible enthusiasm and his ability to complete every task efficiently and completely, no matter how difficult. He eagerly took on tasks in addition to his normally assigned duties."** His second ship Commander officer's evaluations of him included **"Taylor...personally designed, programmed, and produced an extremely sophisticated management system for the control of deactivation" ..."Taylor...had an article published in the Navy Supply Corps Newsletter"..."Taylor is an alert, intelligent young officer with an aggressive spirit seeking a worthy challenge"..."especially in ...computer programming"..."Potentially, he is ear-marked as a truly outstanding officer."** A 2020 quote from one of Taylor's computer staff's documents reads **"what a good officer...you were...always fair and reasonable. I do not recall anyone in our division saying anything uncomplimentary about you or complaining about a poorly made decision. You always tried to motivate us to do our best."**

Upon returning to IBM's **first IBM 7 weeks "Basic Computer Course", he was elected President, and tested #1 of 15 students** in exams and 3 programmings. He sold, installed, and grew his IBM applications showcases accounts, of O.R. & A.I. programs- statistics for 12 cafeteria's food cost controls by food type, statistical sales forecasting, CPM Critical Path Method in 5 construction companies, IBM's CPM consultant for construction of the Alaskan Pipeline, Linear Programming to optimize an oil refinery's profit, as well as most all Manufacturing and Distribution applications. He taught computer systems design programming courses in many client's companies. Over 6 years IBM promoted him to the highest title of "Senior Marketing Representative". In outside weekly 3 hour night classes he learned to qualify for a **Certificate in Data Processing** (like a CPA), in an exam by DPMA, that only 38% of people passed in 1976 ("Wikipedia CDP").

- While at IBM, his outside studies included researching, designing, constructing, and testing a hot tub for health heat treatments in an old wine cask, advising a startup hot tub company, creating an all organic garden, a wood burning stove for winter heat, computer simulation programming like Purdue's of a solar heated greenhouse and constructed it, and preliminary design of roof top solar heating methods.

**Beyond Purdue he attended the equivalent of well over 2.6 years additional classroom college education, from IBM, Navy, DEC, Wang, and AutoDesk.** For DEC (Digital Equipment Corp.), he designed for E.I. Dupont the largest order of DEC's planned \$36 million process control installations in 12 locations. Alone, he designed and built a secret Dupont prototype, without plans, for a **parabolic solar collector which captured 74% of sun heat**, and built a multiplexor to read temperatures into his programmed Apple computer hot tub heating program, and control the solar collector. He **designed and taught Dupont programmers a week course of "Programing Process Control"**. **Corning (largest world Fiber Optics producer, high security)**, also bought Scott's Process Control System for world wide installations. He was rated the highest of 28 Sales Representatives after 4 years, and was promoted to the highest title of "Senior Marketing Representative".

He was invited to join MENSA "High IQ Society" Board Of Directors (his 143 IQ > 132 minimum, & 1 of 246 lpeople), led camping with rock climbing and scuba trips. **Co-author of book "Synergistic Treatment of Industrial Waste"** for **Department of Energy Research Contract**, and designed/programmed the math A.I. models. Wrote an **A.I. article "Expert Help For Expert Systems"** for **National Mensa A.I. newsletter- "Synapse"**. He programmed a prototype data base Laboratory Production Information System for a local company, and also a 72 reports data base comparative reporting system for an Association of 12 Jeweler's. He sold **21 installations of A.I. Expert Systems GURU programming (5 at Clemson University)**, programmed Expert applications prototypes for some, and programmed an A.I. statistical sales forecasting system for a large Corporation. He has programmed in **14 computer languages for ~705 +265 programs** in Accounting and A.I. Artificial Intelligence (Expert Systems, Statistics, Critical Path Method, Linear Programming, laptop client's life insurance actuarial screening with A.I, and A.I. LISP programming to maximize solar greenhouse heat. **He has programmed ~819 Accident Animations files as of 2021.**

He has enjoyed adventurous decades of (annual Rockies skiing, backpacking, snowshoeing, trout fishing, horse camping), Rockies mountain climbing 3 times over 13,700' (47% of climbers turn back), 2 long trips of 30 days Rockies back packing and 21 days Canada canoe camping, 56 Scuba Dives globally up to a maximum 170' depth, 4 Caribbean 1 week scuba spear fishing charters, and a VW RV for mountain biking and kayaking.

He researched 21 years, creating a proprietary encrypted A.I. health plan, and **from 7/17/2015 to**

**01/20/2012, health expert's A.I. methods computed his health variables as decreasing in body age from 53 to 44 years old, compared to statistics of >1,978 people.** His global research includes medical, blood, herbal, spiritual, psychologic, philosophic, exercise, encryption, A.I., and more.

As to "**trustworthiness**", His largest military bank (USAA United Services Automobile Association) listed his **Experian Credit Score as 807, in the top 20% "Exceptional" rating, 3/18/2021.**



**Below are Mr. Taylor's accomplishments, satisfying Federal Rule 702 (Daubert) qualifications in "any one or more" of 5 categories about civil or criminal reconstructions:** 1. Experience, 2. Knowledge, 3. Education, 4. Skill. or 5. Training. **He also complies with "Frye" requirements of Generally Accepted Analysis and Methodology (as taught at Purdue University Engineering classes), for creating reconstructions and Animations of Accident Reconstructions.**

**1A. Experience- retained in 271 cases, of Accident Reconstructions in 14 vehicles specialties, and 24 non vehicles categories, in 37 states.** Before programming animations, each of his cases required a physics accident reconstruction report first, based upon evidence of applicable formulas (of time, distance, position and velocity), sketching velocity/time graphs, timing scripts, constructing vehicles and people, and constructing a 3D CAD accident site with visual evidence like skids. Animations are dynamic moving visual demonstrations of all evidence and physics formulas, transformed to videos looking like every day juror's experience and easily understood. Usually there is a report of what was relied upon for the animations.

- **Heavy trucking-** ~20 cases, 61% of animations and reconstructions hours as of 2009
- **Most complex-** was 5 trucks, 4 cars, 11 impacts, whereas a simple accident is 2 vehicles and 2 impacts.
- **Cars and pickup trucks, not including heavy trucks** ~55 cases
- **3D crime scene reconstructions- of over 22 cases**, including 18 shootings with ~53 shots fired, 21 wall/window holes animation ballistic angles lined up, 3 cases involving police excessive force, also gunpowder spray, knifing, wire strangling, shotgun blast, shells ejection pattern, and an accidental shot.
- **Subtle night lighting involved in vehicle accidents-** ~15 cases,
- **Surprise of 3 compounded delays of vehicle driver's perception reaction time**- 1 case,
- **Motorcycles-** ~13 cases,
- **Whiplash neck & spine injuries-** using mathematics model for adaptation to cases, ~14 cases,
- **Vehicles and equipment products liability-** ~13 cases,
- **Explosions and fires-** vehicles and houses- ~12 cases
- **Forklifts-** ~11 cases,
- **Pedestrian accidents-** ~9 cases,
- **Trains collisions with vehicles-** ~7 cases
- **Rain/fog/snow/ice vehicle accidents-** ~6 cases,
- **Cranes and lifts-** ~5 cases,
- **Driver obscured visibility due to foliage liabilities-** ~5 cases,
- **Electrocutions-** 4 cases- people, circuit panels, and explosions,
- **Vehicles vaults-** ~3 cases,
- **Other specialties produced-** medical malpractice, vehicle rollovers, falls from 2nd story, slip and falls, sailing failure to yield, flood of lowlands, Hurricane Hugo cottage waves damage, bicycle accident, nursing home inadequate care, sun glares, dog knocked toddler over, gyroscopic force leveraged vehicle tip over, NOA wind direction gaseous dispersion, saddle bag gas tank, hurricane trees behavior, and 2 Patent violations.

**1B. Experience- Scott provided technical opinions in ~147 accidents reports and testimonies about,**

- Vehicles paths, accelerations, decelerations, rotations, speeds, principal direction of force, initial point of contact, delta-V (velocity), roadway markings, final at rest, crush damage, distances, times, visibility, etc.
- Night visibility distances, lighting, variables affecting lighting visibility, and night background photos.
- Night lighting national precedent for judges to qualify admissibility accuracy for animations.
- Occupant kinematics in front and rear whiplash injuries, applied in over 14 whiplashes.
- Foliage obstructed views, of trains, motorcycles, and vehicles.

### **1C. Experience - • Scott was the only Reconstructionist for ~36 of ~149 trucks and vehicles cases.**

- **Scott's 1992 jury animations viewing, was appealed, and upheld by the "4th Circuit Appeals Court"**, setting precedent for the South Eastern states and all America.
- **Scott's proven design of his first successful "Animations admissibility questions protocol"** was then used by him to obtain admissibility in GA, TN, and other states.
- **61% of billable reconstruction animations hours were in heavy trucking accidents (up to 2009)**
- **He is a "Malcomb Gladwell qualified expert with greater than 10,000 billable hours" as of 2009.**
- **The 180 vehicles cases reconstructed and animated, were often complicated**, such as-- gaseous dispersions of varying densities in a gas tanker truck explosion, exact foliage appearance and size representations, fires or explosions caused by impacts or other causes, animating gyroscopic precession forces dynamics, software diagnostic graphs of animation vehicle speeds accuracy, programming of front or rear end collision whiplash kinematics, rear view mirrors, a special A.I. programming technique for a 9 vehicle freeway chain reaction, night lighting animations calibration to a photograph with wide range of contrast visibility, etc.

### **1D. Experience- 11 Experiments designed by Scott, to scientifically quantify variables -**

- **Physics study of car window glass shatter dispersions**, with shattered glass spills out the top of the front passenger window, to obtain glass dispersion distances from the road edge.
- **Night lighting of animated accident, national precedent admissibility standard**
- **Physics headlight visibility distance experiment**, of when a car was visible at hill crest.
- **Night traffic experiment, to statistically determine the average location of 35 cars stopping and turning left into a gas station.**
- **Twilight sunset subtle night lighting experiment**, to photograph exact lighting luminance, hue, and saturation values of trailer visibility strips, and lights. The time matched time of accident relative to sunset.
- **Night reflectors and license plate visibility distance experiment.** This provided a reliable visibility distance, and a much more realistic and accurate animation view.
- **Photography and surveying experiment of foliage locations blocking visibility** of a train (warning signal lights mistakenly bagged), so animation foliage types and sizes matched reasonably.
- **Photography experiment of visibility from a stop sign, of foliage blocking driver's vision.** The animation's driver view was then identically blocked by accurate sized foliage.
- **Night commercial district lighting photography, 3 sessions managed live by phone**, for accurate animations photographed backgrounds of what illegal J Walkers looked like running in front of cars.
- **Experiment of a hands held gyroscopic precession force model.** When jurors abruptly turned handles of a spinning child's bike tire, the tire tried to twist/roll at a ninety degree angle to the turn direction. This non obvious invisible powerful force, significantly contributes to rollover for "super lifted" trucks with large tires.
- **Physics experiment of a crane boom physical model to find average fall time and acceleration.**

### **2A. Accident Reconstruction Relevant Education- ~36 credit hours of Purdue Engineering**

**University courses equals 1 year of 2 semesters**, 1967 Bachelor of Science in Industrial Management (engineering math and A.I. statistics models applied to business), and minor of Quantitative Methods (computerized O. R. and A.I. math modeling), including:

- **Physics**, 4 hours credit, tested into advanced course (consolidating 6 hours course work). Including **Newtonian physics** used in accident reconstruction, acceleration/deceleration (of velocity, and rotations, rollovers), braking friction coefficients, momentum conservation, centrifugal force, etc.
- **Differential and integral calculus** 14 hours credit. Velocity = rate of distance change vs time, acceleration = rate of velocity change vs time, Momentum = mass x velocity
- **Mechanical drawing**- 3 hours credit. This course taught drawing to visualize 2D/3D perspectives, graph how acceleration is the differential of velocity vs time, and velocity is the differential of distance vs time.
- **Engineering Science Aeronautical Engineering Statics and Dynamics 207**, 3 hours credit. Newtonian Physics of moving objects, resolving a force vector into components x, y, and z, over time. Engineering Sciences in Aeronautical Engineering, were the most difficult of available applied physics courses. He experienced proof of this course in his Rockies skiing at Jackson Wyoming, where his ability escalated from intermediate to an expert skier, by imagining skiing force vectors, tuned one by one, until just a few vectors controlled skiing an expert steep slope in a "white out" blizzard of only 3' visibility, only by feeling the forces.
- **Quantitative A.I. Methods of applied optimization and applied statistics**, 305 & 306, 6 hours credit. Course examples included engineering, computer sciences, economics, statistics, and industrial engineering. Most all SAE Accident Reconstruction papers present statistical conclusions regarding perception reaction times, braking/acceleration times, night visibility, distance, witness speed. etc.
- **Statistics A.I.** - 6 hours credit. Reconstructions use in analyzing vehicles motions range of variability and expected value, to understand studies, of witness estimates inaccuracy (distance, speed, and time).

- **A.I. Artificial Intelligence programming-** in several courses using Purdue's CDC Control Data Super Computer, of statistics, CPM Critical Path Method, Linear Programming, Shop Floor Layout, and more. Sold ~ 23 GURU AI Expert Programming systems from a Purdue Professor's company (5 at Clemson University).

## **2B. Education- Independent publications studies, explain methodologies for Frye qualification.**

- **109 back issues of "Accident Reconstruction Journal"**, 21 inches thick, gift from Expert Robert Taylor, Accident Reconstruction Experts manager, at the experts firm "Engineering Design and Testing"
- **"Traffic Accident Reconstruction fundamentals"**, 56 page book, gift from author, Expert Elvin Aycock
- **"Evidence In Traffic Crash Investigation and Reconstruction"**, 2006, 295 pages, \$60, Amazon
- **"Expert Testimony"**, \$176 188 pages book from Amazon.com, rating 4.5 of 5
- **"Crash Reconstruction For Prosecutors"**, 31 pages
- **"Low-Speed Automobile Accidents: Investigation & Documentation"**, whiplashes, 194 pages
- **"The Way Things Work (1 & 2)"**, books for study of physics such as Gyroscopic force
- **"Gray's Anatomy"**, study of body parts- for inserting X-rays into animations.
- **Many SAE Society Of Automotive Engineers papers about-** perception reaction time increases, inaccuracy of human estimates (distance, speed, time), whiplash, night visibility distance of people.

## **3A. Knowledge- Publications and Lectures- • Article in 8 state trial lawyers magazines**, about animations examples, case theory completion, expediting settlement, admissibility, ROI, etc.

- **2 Papers suggesting Judges animations admissibility questions**, based on 12 Law books of "Federal Evidence Rules", as requested by prominent Attorney Kendall Few, for him to personally present to the National Institute For Trial Advocacy, annual meeting in Keystone, Colorado.
- **2 accident reconstruction animations papers written** for state and county CLE programs
- **Mr. Taylor has presented 12 attorneys animations lectures (4 criminal)**, usually for CLE credit

**4. Skill- • IQ 143 = 1 in 278 people (3.6 in 1,000)**, on the GRE Graduate Schools Records Exam at age 26 in the Navy, and joined **"high IQ society" MENSA Board of Directors**. By comparison, the average American university student has a 113 IQ equal to 1 in 5 people.

- **99% aptitude in "Mathematical Usage"**, tested at age 17 by pre college Merit Scholar exam
- **98% aptitude in "Mathematical Formulations"**, tested at age 17 by Purdue Engineering entrance exam
- **"Top Secret Security Clearance"**, highest clearance, qualified in NAVY after background investigation
- **Over 88% of studied 230 cases in 2009 had satisfactory early settlement offers, and ~9% were considered won in trial**, which are due to skills of- **1.** Skillfully crafted animations visually demonstrating physics of the accident. **2.** simple and clear Accident Reconstruction reports logic of how the animations demonstrate evidence/statements, and **3.** Physics description of why alternative theories are unlikely.
- **Listed above are many proprietary examples of very complicated reconstructionist tasks**, including passing the leading edge of current expert's studies at that time, such as **1.** 9 vehicles sequential freeway accident, **2.** Twilight sunset subtle night lighting trucking experiment **3.** a whiplash model used for 14 cases, or **4.** wrote 2 reconstruction animations admissibility papers for presentation by attorney Kendall Few, live to NITA- the National Institute for Trial Advocacy, or **5.** proving admissibility testimony design in trial, for expert qualification, 1st animations viewing admissibility in many courts, and setting of national precedent.
- **One of countless examples of his technical skill**, was on a Navy carrier, where he used his A.I. to design a maintenance system of **98% of planned computer up time, the highest reported world wide**, starting at 61% without any instructions, and published the results in a NAVY magazine article, which is available.

## **5. Training- • 5 days animations programming, by AutoDesk** (author of my animations software).

- **Accident reconstructionist apprentice in ~160 cases**, Scott studied under many state's popular Expert Accident Reconstructionists, and specialized experts. They provided physics formulas advice (crush velocity reduction, skidding friction, acceleration, etc.). Scott recalculated all variables for reasonableness of interrelated vehicles timings, programmed motion, and adjusted smoothness appearance.
- **Motorcycle Expert Accidents training-** of skid width vs braking intensity, by leading Expert and author.
- **7 accident site investigations as an apprentice**, with qualified Experts to obtain measurements, elevations, photographs, and visual inspection of scrapes & skids.
- **9 accident site investigations alone**, to obtain measurements, photographs, etc.

**Mr. Taylor looks forward to starting programming Animations for your case Reconstructions.**

Thank you,

**Mr. Scott J. Taylor, CDP**, was retained for 271 cases in 38 states, 37 specialties, and 25 testimonies