Nathaniel A. Green

602.819.7956|nategreen7797@gmail.com|Boynton Beach|linkedin.com/in/nathaniel-a-green|www.green7797.com

Analytics Professional

Data Analysis | Predictive Analytics | Data Science | Statistics | Audit| Relational Databases | Business Research |Business Intelligence | Data Visualization | ETL | Data Sources | Documentation Skills| Specifications | Internal Customers | Pivot Tables | Data Management | Financial Forecasting | Reporting | Data Warehouse | SQL | SQL Queries | Python | R | SAS | Mathematics | Excellent Interpersonal Skills

Problem Solving: Proven ability to quickly discover analytics and system integrations requirements and respond with deliverables in SQL, R, Python, and various BI tools. Ability to meticulously plan, document, and deliver data analysis projects by managing development and reporting processes, and ensuring acceptance at relevant business resources. Experience leading engineers and data analytics developments towards multi-stakeholder focus and enterprise interests. Passion for "getting stuff done". Excel at:

- **Developing technical data solutions and experimental designs around difficult business challenges**
- **Leading new initiatives that require balancing multiple priorities and fast-paced environments**
- **Communicating effectively for functional requirements focused on customer / acquisition with ability to pivot communications into technical / development documentation.**
- **Excellent attention to detail**

Education			
M.S. COMPUTER SCIENCE Georgia Institute of Technology, Current	**M.S. ANALYTICS** Texas A&M, 2019 Rising Star in Analytics for Innovation	**M.B.A.** Arizona State University, 2014 Entrepreneurship / Innovation	**B.S. FINANCE** Northern Michigan University

Publications

Co-authored publication affiliated with Harvard Medical School. Created mathematical models to approximate and highlight resource shortages. "Estimating Shortages in Capacity to Deliver Continuous Kidney Replacement Therapy During the COVID-19 Pandemic in the United States" - American Journal of Kidney Diseases

Contributions acknowledged (via AllTraq) in publication affiliated with NASA. Created spatial temporal analytics for astronaut mission performance and habitat utilization. "Deep Space Habitability Design Guidelines Based on the NASA NextSTEP Phase 2 Ground Test Program" – NASA Technical Reports Server

Work History & Highlights

Director of Analytics (from Business Analyst)
American Biomedical Group, Inc. (AllTraq)
May 2016 to Nov. 2020

ABG helps its client manage high-value assets through its Capital Asset Performer which caps medical equipment repair and maintenance costs and eliminates multiple manufacturer contracts and its AllTraq program which tracks the location and use of assets in real time

Designed databases and conducted statistical analyses for maintenance assurance program. Conducted business analytics from presales to integration. Innovated analytics around time-space data, resulting in new/leading-edge value.

- **Predictive models and advanced analytics:** that explained and grew domain expertise in various verticals. Models included survivor regressions for maintenance costs, financial engineering models with stochastic input and variable options, marketing engineering with lifetime value and parts-wise regressions, and temporal-spatial models that supported optimized decisions in tracking technology.

- **Created new performance spatial data for NASA.** Tabulated analytics with visuals in data science reports that rated habitats designs resulting in empirical evidence presented as decision quality inputs for NASA's space habitat

(CIS Lunar). Engineered data features designed for advanced analytics planned to optimize spatial resources that would feed objectives at mission controls.

- **Managed data analytics in business development:** Created value out of raw data for multiple end users, while inventing solutions in business processes. Structured and implemented data flows in SQL, R, and Python. Supported product road maps with technical documentation and management methodologies including (Agile, Scrum, Kanban, Critical Path Method). Created higher entropic/outcomes from new and innovative metrics never-before considered. Leveraged data analytics processes to create insights, resulting in product/service-line roadmaps.

- **Effective communications:** made presentations to customers, conducted process interviews for requirements gathering, led business process analysis in multi-stage analytic programs and documented the data analysis development. Developed data storytelling including a spectrum of data science, while using sophisticatedly simple mathematics for business operations that could be communicated easily through multiple product strategies.

Consultant
American Special Projects
June 2015 - May 2016

Selected engagements…

- **Improved inventory for Appliance Parts Distributor.** Organized the inventory data out of SQL and Access databases into reports for managers across 15 offices and approx. 15K SKU's. Trimmed out-of-stock items and shipping costs by 25%. Consulted on supply chain best practices including JIT and two-bin Kanban, added analytics tools highlighting opportunities, and coached management to implement data-driven processes – reducing order-admin time by 50%.

- **Drove successful startup.** For a startup dermatology practice, set up finances (including reconciling revenue cycles for multi-provider and payor quality control tools), and trained staff in best patient-centric operating practices. Excelled client profitability and growth. Customer satisfaction ratings 15% higher than competitors.

Vice President Operations (Sr. Project Manager)
Coaction Development Group
January 2013 - May 2015

Coaction Development Group provides clinical income diversification strategies and opportunity development by creating clinical real estate opportunities that truly benefit its partners, clients, and their communities.

Served in many capacities: executive manager, owner rep, development liaison to municipal / public affairs, financial officer, development manager, and contract manager.

- **Mastered project management:** managed architects, engineers and project managers for on-time and on-budget projects – ranging from $10M to $40M. Methodologies including Kanban, PMP, Waterfall, and Agile. Engaged with healthcare owners to open medical practices and provide healthcare to the public. Presented development plans to executives and authorities that secured approvals. Developed financials and project budgets for capital funding and managed project development to keep loan draws funded.

- **Boosted capacity**. Operationalized a central software to manage technical processes and professional operations. Used SaaS platform to establish a clear chain of command, and to operationalize the support of continuous development, maintenance, and knowledge transfer between professionals, suppliers, contractors, and clients. Used six sigma tactics: root causes, Kanban, and signals leading to production controls resulting in 18% tangible ROI and 30% capacity increase.

Assistant Vice President - Operations (Sr Title Manager, Quality Assurance Analyst)
Bank of America
January 2012 - January 2013

Led analytics initiatives with securitized assets to diagnose and resolve a critical operational bottleneck that was subjecting the organization to significant risk. Recognized leadership over title-analytics professionals.

- **Calm during a crisis.** The Great Recession in legacy Countrywide's loan servicing involved quality assurance needs. Structured multi-department centralized document database including dashboards for ordering, tracking, distributing,

and recording authority documents. Led change management towards improvement from less than 20% compliance to more than 95% with standardized loan signatures. Implemented database operations for 5 departments.

Earlier with BofA (Jan 2009 to Jan 2012). As Senior Manager, team leader of legal title officers. Global Recognition Awardee of every level for leadership in quality and innovation. Led teams ranked highest in quantity and throughput, and augmented key performance metrics with creative solutions. As Quality Assurance Analyst, developed remediation databases and workflow processes that increased department accuracy objectives by 3% to over 98% within 90 days. Mastered Agile and Six Sigma.

Career Start. Mastered B:C sales in home improvements. Earned "Achiever" status three years. Top 10% nationally.

Pro Bono: University of Florida's Lastinger Center for Learning. Data analytics, data structures, statistics for reading program.