

# Hansel Wei

Computer Science Peer Tutor at UNC Charlotte

Latest Resume Revision: [hanselwei.me](http://hanselwei.me)

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## Education:

### Bachelor of Science, Computer Science

August 2016 – Dec 2020

University of North Carolina at Charlotte - Charlotte, NC

- Concentration in **Software, Systems, Networks** with a related-work Minor in **Communication Studies**.
- **Engaging in learning multidisciplinary skills** in Computer Science including **Cybersecurity, Data Science, & Software Engineering**.
- Currently exploring **Machine Learning, Deep Learning, Cyber Defense (CCDC), Mobile-App Development, and Network-Based Applications** in this semester's courses.
- **Engaged and influence as a leader in my community through Student Organizations:**
  - **49<sup>th</sup> Security Division** (Ethical Hacking & Cybersecurity) – **Lab Assistant** help students in the security lab environment during open hours.
  - **Game Developers @ UNC Charlotte** – **Secretary, Game Theory & Programming Mentor, & Speaker** for weekly meetings  
Organized and mentored Global Game Jam 2018 and 49hr Game Jam.
  - **CLTHack** – **hackathon member attended 6 Major League Hackathon Events** exploring new technologies in a diverse team environment.
  - **Fintech Data Science Hackathon** Planning Committee at UNC Charlotte – Helped establish their first hackathon event at UNC Charlotte.

### High School & College Dual Enrollment (3.66/4.2 GPA)

August 2012 – July 2016

Rowan Cabarrus Community College / Cox Mill High School - Concord, NC

- Concentration in **Simulation and Game Design and Computer Technology Integration**.
- **Tutored programming:** helped strengthened my peers' knowledge by tutoring for AP Computer Science A (Java).
- **Learned Rapid Prototyping** through creating **12 prototype games** in Computer Simulation and Game Design using Game Maker Studio.
- **Explored designing, troubleshooting, and securing networks** in Network & Security Foundations.
- **Designed Network Infrastructure, social media, & websites with databases** in conjunction with applying SWOT Analysis in managing IT backup solutions for businesses in **Information Systems Business Management and Web, Program, and Database Foundations**.
- **Gave 10 speeches** for Public Speaking related to current events in technology and inspired curiosity in applying technology to daily life.
- **Surpassed expectations** by improving a game framework library in Programming 2 (C#) on a final project in a team environment.

## Work Experience:

### College of Computing and Informatics Tutor

January 2016 – Present

University of North Carolina at Charlotte - Charlotte, NC

- Helped mentor and improve student knowledge and study skills for undergrad Computer Science classes involving:
  - Data Structures, Operating Systems, Networking, Java, C, C++, Python, HTML/CSS/JavaScript

### Computer Repair Technician / Network Designer

July 2014 – Present

Freelance IT Professional - Charlotte, NC

- Troubleshoot and assisted with many of technological problems remotely over the phone, TeamViewer, or through emails.
- Executed hardware upgrades, repairs, replace FRUs on devices, solve networking connectivity, infrastructure, and security issues, creating and archiving proper documentation of each case.

## Current Active Agile Projects & Ideas:

- **"Tech History Today" (Amazon Alexa Skill)** – ventures through a daily history of technology.
- **"Merrits" (iOS/Android)** – People helping people and making volunteering made fun though **Gamification & Augmented Reality (AR)**.
- **"Lyceum"** – Education teaching/learning secured platform through the **Blockchain Technologies & Crypto** (Startup Team).
- **"Darkus Rising"** – **Xamarin C#** A series of top-down video game levels with teams of good vs evil with generated quests.
- **"Parkous"** – Finding out the nature of parking to find campus parking in real-time, exploring **Machine Learning** solutions.

## Featured Skills & Certifications:

**Continuing Education Certifications**  
CompTIA A+ce, Network+ce, Security+ce,  
**Secure Network Infrastructure Specialist Certified.**  
Actively pursuing continuing education in Palo Alto, Cisco, CISSP, and Computer Ethical Hacking (CEH).

**Latest Public Speaking Event**  
CyberGen at Winthrop University  
Guest Speaker  
"Art of Ethical Hacking" (Summer 2017).

**Top Programming Skills**  
HTML/CSS/JavaScript, TypeScript,  
C#, Java, C++, VB.NET, Python, Node.js,  
SwiftLang (iOS), Android SDK, FireBase,  
Ruby, GoLang, & Rust.

## Featured Awards & Achievements:

### College of Computing & Informatics: "Most Active and Engaged Student"

Awarded Nov 2017

UNC Charlotte College of Computing and Informatics (Charlotte, NC)

- For the recognition of being one of the most influential students in extracurricular Computer Science activities.

### CCS "SharkTank" Startup High Intern

Awarded April 2016

Cabarrus County Schools (Cabarrus County, North Carolina)

- For the recognition and acknowledgement of completing and assisting in the local Startup High, a mock "SharkTank" style competition by engaging and helping students grow in professional, entrepreneurial, management, and team development.

### CCS Mobile & App Programming Challenge: Honorable Mention

Awarded April 2014

- For acknowledgement of prompting the first annual county-wide app development competition for Middle/High School students.