Edmund Hattle

336-979-8766 | edmundcb0@gmail.com | linkedin.com/in/edmund-h

EDUCATION

University of North Carolina at Chapel Hill   Chapel Hill, NC
B.S, Computer Science, B.A, Asian Studies, Chinese Concentration   ***Expected Graduation: May 2027***
Cum. GPA: 3.81

EXPERIENCE

Product Management and Software Development Intern   June 2023 - January 2024
Empowerly   *San Francisco, CA*
- Led the development of a user data upload interface using **React** and a **Node.js** backend pipeline for processing customer PDF uploads, conducting usability testing to ensure **user-centric design.**
- **Initiated cross-department meetings** to gather feedback, aggregate suggestions, and communicate timelines for website features and functionalities
- Managed and executed **QA requests**, identifying and reporting bugs, ensuring product features met functional and performance standards before release
- Automated parsing and aggregation of **1000+** PDFs/year to organization database **saving 200+ hrs** of previously manual labor

Research Intern   May 2021 - June 2022
Bandodkar Lab, North Carolina State University   *Raleigh, NC*
- Prototyped **sub-dollar cost, wireless, battery-free** chronic wound monitors, using enzymatic biosensors to predict and prevent chronic wounds from occurring
- Engineered sensors and wireless measurement application with emphasis on consumer usability
- Utilized NFC technology to noninvasively monitor wounds with iOS/Android devices
- Manufactured ergonomic skin-interfaced circuit boards using photolithography

PROJECTS & COURSEWORK

Realtime Speech-to-Speech Language Tutor | *JavaScript, Vite, HTML/CSS*
- Used **OpenAI Realtime API** to create an Agentic AI Chinese language tutor, accelerating vocabulary and grammar acquisition through live speaking exercises.

Momo Ashi NC Training App | *Python, Flask, HTML/CSS*
- Reduced training period by 25% using lightweight Python web application for new employees
- Accelerated drink combination and cooking process memorization using active recall and spaced repetition algorithms

Coursework: Introduction to Programming, Data Structures and Algorithms, Foundations of Programming, Computer Organization, Systems Fundamentals, Linear Algebra, Discrete Mathematics, 2D Graphics, Computer Security Fundamentals, Algorithms and Analysis

LEADERSHIP & AWARDS

Treasurer | *Fraternity of Delta Psi (St. Anthony Hall)*
- Responsible for managing $1.5M of assets, collecting dues, drafting budgets. Collaborated with alumni chapter to conduct $700,000 worth of renovations and strategize loan payments. Organized and hosted 5 events per semester with attendance of 1000+

Awards: *Philips Ambassador ($6,000), FLAS (Foreign Language) ($8,500), National Security Language Initiative ($25,000)*

SKILLS

Programming Languages: Python, Java, C, C++, Lua, HTML/CSS, JavaScript
Frameworks: React, Flask, Three.js, Next.js
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Languages: English — (Fluent/Native), **Chinese** — (**Fluent**/Second Language)