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

- 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**

EXPERIENCE

Product Management and Software Development Intern

Empowerly   *San Francisco, CA*

- Automated parsing and aggregation of **1000+** PDFs/year to organization database **saving 200+ hrs** of labor
- Led the development of user data upload interface using **React** for front-end and **Node.js** for customer PDF upload pipeline, testing for usability and ensuring user-centered design
- Managed and executed **QA requests**, identifying and reporting bugs, ensuring product features met functional and performance standards before release
- Initiated cross-department meetings to gather feedback, aggregate suggestions, and communicate timelines for website features and functionalities

Research Intern

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
- Manufactured ergonomic skin-interfaced circuit boards using photolithography
- Used NFC technology to noninvasively monitor wounds with iOS/Android devices

PROJECTS

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

LEADERSHIP & AWARDS

Treasurer | *Fraternity of Delta Psi (St. Anthony Hall)*

- Responsible for managing **$1M** 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++**, **HTML/CSS**, Lua, R, 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)