Cheney Ni

484-639-4299 | Downingtown, PA | cheneyni@pm.me | github.com/cheneyni-451 | linkedin.com/in/cheneyni | cheneyni.dev

EDUCATION

University of Michigan   Ann Arbor, US
Bachelor of Science in Engineering, Computer Science   *Sep 2019 — Dec 2022*
- Cumulative GPA: 3.78/4.00 | Summa Cum Laude, Dean's List, University Honors

EXPERIENCE

Career Transition   Sep 2023 — Present
- Following a company-wide restructuring, completed an intensive Java-focused full-stack training program at HTD Talent, obtained AWS Certified Cloud Practitioner and Developer - Associate certifications, and currently maintaining the American Chinese Pickleball Association website while developing a chat app using multiple different frontends and backends to reinforce and broaden my knowledge.

Software Development Engineer I   Feb 2023 — Jul 2023
Amazon Web Services Inc.   *Remote - New York, NY*
- Improved user experience of digest email internship project after receiving user feedback about UI bugs after deployment.
- Built a Slack bot that posted code-review status updates, reducing average review turnaround time from ~48h to ~24h.
- Authored a Python script to purge expired entries from a large DynamoDB table, reducing its size by over 90% and cutting operational costs.

Software Development Engineer Intern   May 2022 — Aug 2022
Amazon Web Services Inc.   *New York, NY*
- Designed an implementation of a new digest email feature and reviewed it with entire cross-functional team for feedback.
- Implemented redesign of notification preferences webpage using TypeScript React to enhance the customizability of the UX.
- Worked with multiple AWS tools, such as Pinpoint to send email and SMS notifications to customers, DynamoDB to store user preferences, and CloudWatch to monitor and debug the application.

Software Development Intern   Jun 2021 — Aug 2021
Red Rover   *Exton, PA*
- Collaborated with senior developers and another intern to fix bugs in absence management web application using TypeScript React.
- Communicated with the Sales team through daily Agile meetings to target and fix high priority bugs.

PROJECTS

CalTracula   May 2025 — Jun 2025
- Developed a Calorie tracking app as team of 4 for capstone project; implemented authentication and authorization using Spring Security framework with JSON Web Tokens (JWT), and data querying with Elasticsearch.
- Used 3-layer software architecture and Spring Boot to build full stack applications with MySQL database, Java backend, and HTML/CSS/JS frontend; and used MVC pattern to build Java application frontends.

Chat App (work in progress) (chat.cheneyni.dev)   Sep 2025 — Present
- Developed an in-browser chat application with a React frontend, Express backend, and PostgreSQL database.
- Implemented user authentication and authorization with the use of JSON Web Tokens.
- Roadmap includes Spring Boot, .NET, and Django backends.

SKILLS

- **Programming Languages**: TypeScript, JavaScript, HTML/CSS, Python, C/C++, Java, Bash, Rust
- **Technologies**: React, Svelte, Git, Docker, Linux, Amazon Web Services, BootStrap, Express.js, Spring Boot, JUnit, MySQL, PostgreSQL

CERTIFICATIONS

AWS Certified Cloud Practitioner, AWS   Expires Aug 27, 2028
AWS Certified Developer - Associate, AWS   Expires Aug 27, 2028