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EDUCATION

Carnegie Mellon University

Aug 2021 - May 2025

Bachelor of Science in Information Systems

Pittsburgh, PA

Minors in Human-Computer Interaction & Media Design

Relevant Coursework: Intro to Data Structures & Algorithms, Database Design & Development, Full Stack / Mobile Application Design & Development, Practical Data Science, Designing Human-Centered Software

EXPERIENCE

Software Development Engineer Intern, Amazon

May 2024 - Aug 2024 | Austin, TX

- Implemented a modular form editor for an enterprise-level JSON-based CMS, enabling users to create dynamic JSON schemas.
- Integrated the new page with back-end APIs and AWS DynamoDB, enabling seamless content-type definition storage and retrieval.
- Collaborated with stakeholders to develop a modular solution that enhanced content authoring workflows and user experience.

Course Assistant, Carnegie Mellon University

Aug 2023 - Dec 2023 | Pittsburgh, PA

- Conducted weekly office hours for Mobile Web Design & Development to assist 40+ students with assignments and project work.
- Guided two student teams in executing web development projects for local organizations, translating classroom learning into practical applications.

Software Engineer Intern, Capital One

Jun 2023 - Aug 2023 | McLean, VA

- Contributed to a new version of a customer-facing API integral to the Retail Bank line of business that serves entire customer base.
- Developed and implemented a metrics comparison strategy for API versions utilizing Java, JMeter, and Splunk.

Research Assistant, Carnegie Mellon University

May 2022 - Aug 2022 | Pittsburgh, PA

- Translated Python curriculum for Carnegie Mellon CS Academy.
- Delivered targeted Python professional development sessions and code reviews for teachers, engaging 30-50 educators per session.

PROJECTS

Fullstack Software Engineer, MoodMarket

Spring 2024 | Hackathon

- Engineered a Flask-based web app that analyzes news article sentiment to generate automated stock ratings and investment insights.
- Implemented Bootstrap UI components and responsive design, resulting in a mobile-friendly.

Fullstack Software Engineer, TuneTracker

Fall 2023 | Course Project

- Built a full-stack web application using Express.js and custom json storage to track users' music preferences.
- Designed and implemented a dashboard that displays personalized listening history/statistics and concert recommendations.

Mobile / Frontend Software Engineer, Yetco

In-Progress | Side Project

- Developing a React Native mobile app that optimizes airport pickup timing by integrating real-time flight tracking and traffic data.
- Integrating a RESTful API integration with FlightAware to provide live flight status, estimated arrival times, and terminal information.

ACTIVITIES

Member, Society of Hispanic Professional Engineers

Sep 2021 - Present | Carnegie Mellon

- Engaged with peers and professionals dedicated to promoting STEM education in the Hispanic community.

Youth Mentor, MoneyThink

Sep 2021 - May 2022 | Carnegie Mellon

- Taught weekly sessions for high school students, covering financial literacy, college admissions, and alternative career paths.

SKILLS

Languages & Core Technologies: [Python](#) [JavaScript](#) [TypeScript](#) [Java](#) [C](#) [Swift](#) [HTML](#) [CSS](#) [SQL](#) [REST APIs](#)

Frameworks & Tools: [React](#) [Angular](#) [Flask](#) [Express.js](#) [React Native \(Expo\)](#) [Git](#) [Postman](#) [Figma](#) [Photoshop](#)

Cloud & Infrastructure: [AWS EC2](#) [GCP Compute Engine](#) [Firebase Firestore](#)