Alex Le

San Jose, California 95116 • (699) 263 7784
alex.tle63@gmail.com • [LinkedIn](#) • [Github](#)

Education

B.A. Computer Science and Mathematics   Aug 2020 - May 2024
Swarthmore College, Swarthmore, PA   GPA 3.8/4.0

Relevant Courses
Software Engineering, Algorithms, Data Structures, Computer Systems, Machine Learning, Game Design, Real Analysis, Numerical Methods, Differential Equations, Modeling

Extracurriculars
Swarthmore College Computer Society (SCCS) Project Lead, Swarthmore College Information Technician Student Assistant, Swarthmore College Makerspace Technician, Swarthmore College Beekeeping Society Stalwart, Vietnamese Eucharistic Youth Movement Leader: Rank 2

Awards
Students Rising Above Scholar, Questbridge College Match Finalist

Experience

Software Development Project Manager   February 2021 - May 2024
Swarthmore College, Swarthmore, PA
- Directed team of 15 staff members over 4 months on SwatSwap, an end-to-end project for a college-wide second-hand trading and selling website.
- Designed and developed SwatSwap frontend UI with Next.JS and Tailwind, initiated mySQL database and wrote API routes.
- Directed a team of 2 staff members over 4 months on Tickflow, a Next.JS ticketing platform to streamline emails and requests, and designed API endpoints to fetch, store, and update incoming email data to the database.
- Published an accessible campus dining web browser extension with ~50 active users and ~1000 Node.JS API endpoint users.
- Mentored groups of inbound staff in HTML/CSS/JS, BASH navigation, SSH, Github, Docker, and VSCode and increased organization productivity and retention by 150%.
- Managed documentation in organization's central GitBook wiki page.

Projects

ReUnix - A JS game emulating BASH terminal function, introducing players to navigation and basics
[**A Bit of Adventure**](#) - A Bitsy adventure game about computer architecture and function
[**What Goes into a Bowl of Rice**](#) - A Twine game about the Asian-American experience

Skills

Programming Languages & Frameworks: React, Node.JS, Next.JS, Docker, MySQL, Prisma, PostgreSQL, MongoDB, Java, C/C++/C#, Python, Tailwind CSS, Materials UI, SASS, JSON, RESTful APIs

Technical Skills: Git, Agile, unit testing, full-stack web development, UI/UX design, 3D CAD, server management, project management, mentorship, documentation

Software: Autodesk Fusion, Autodesk Inventor, Microsoft Suite, Google Suite, Adobe Suite, Figma

Languages: English, Vietnamese, Spanish