Victor Phan

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EDUCATION

California Polytechnic State University   **San Luis Obispo, CA**
B.S. Software Engineering, Minor in Exercise and Sport Studies   *June 2025*
Coursework: Data Structures, Project-based Object Oriented Programming, Introduction to Computer Organization, Systems Programming, Discrete Structures, Design & Analysis of Algorithms, Cryptography Engineering, Intro to Database Systems, Programming Languages, Software Engineering I & II, Distributed Computing, User-Centered Interface Design, Dynamic Web Development, Indiv Software Design/Development

WORK EXPERIENCE

LAEP Research Student Assistant   **San Luis Obispo, CA**
Cal Poly Computer Science & Software Engineering Department   *February 2024 - August 2024*
- Launched an online resource for evaluating ethical and social justice implications in research projects, leveraging Langchain, LLM, and React JS technologies
- Designed and implemented a Python-based web scraper using BeautifulSoup and Scrapy, ethically compiling a database of 10,000+ ethical considerations from 50+ reputable sources
- Led a team of three in designing the web scraping architecture, organized code reviews, and resolved conflicts through data-driven experimentation and decision-making

Software Developer Intern   **Remote**
Hexfork   *May 2023 - July 2023*
- Spearheaded the development of a robust full-stack application for a rapidly expanding software development and gaming firm in Europe. Collaborated seamlessly with various business firms and sponsorship assets, extending beyond traditional software development teams to ensure comprehensive project success.
- Implemented and accelerated blockchain development using Bubble-Map APIs and key languages such as *HTML, CSS*, and *Typescript*, applying *Bootstrap* for enhanced aesthetics and efficiently displaying data sourced from *JSON*.

Software Engineer Intern   **Remote**
iXperience   *January 2022*
- Designed and constructed a full-stack movie recommendation website using the Angular framework, incorporating HTML, CSS, Bootstrap, and Typescript.
- Developed a robust backend structure utilizing MongoDB and Node.js, ensuring seamless functionality and optimal user experience.

Projects

My Inventory   **San Luis Obispo, CA**
Immaculate Inventors   *January 2024*
- Implement *Bcrypt* software tool to salt and hash user passwords for user login service in an inventory application
- Extend Java implementation to formulate unit testing through *JUnit* and Mockito to ascertain website behaviors and database updates

Open Path   **San Luis Obispo, CA**
SLO Hacks 2023   *May 2023*
- Implemented *Google Maps* and Amadeus Safe Space APIs to provide diverse and inclusive location suggestions, fostering safe spaces for individuals from various ethnic backgrounds.
- Designed and developed a user-friendly website platform using the *ReactJS* framework, ensuring a minimalistic yet comprehensive interface for users to effortlessly navigate their surroundings.

LEADERSHIP & OTHER AFFILIATIONS

Information Technology Committee Staff   **San Luis Obispo, CA**
Union of North American Vietnamese Student Association   *October 2024 - Present*
- Strategically managed comprehensive website development and maintenance, overseeing both front-end and back-end infrastructure for multiple organizational projects and committees
- Collaborate cross-functionally with Marketing, Public Relations, and Conference teams to ensure consistent brand messaging and technical support across organizational platforms
- Enhanced organizational digital presence by integrating user-centric design principles and maintaining robust technical infrastructure

Information Technology Coordinator   **Westminster, CA**
Union of Vietnamese Student Association   *July 2024 - Present*
- Incorporate CRM strategies with user interface frontend website design, ensuring outreach to raise over $6K from sponsors, local businesses and community members
- Developed and conducted technology training workshops for staff with EasyLlama

TECHNICAL SKILLS

Programming Languages: Java, HTML/CSS, Javascript/Typescript, Python, SQL, Kotlin, C, R
Frameworks: React.js, Angular, Node.js, Bootstrap, Express
Others: Linux, MongoDB, Microsoft Azure, Nodemon, Microsoft Excel/Google Sheets, Figma, LaTex, RStudio, Tableau