JONATHAN LAKSANA

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EDUCATION

California Polytechnic State University, San Luis Obispo   **San Luis Obispo, CA**
B.S. Computer Science   *Sept 2020 – Dec 2023*
- **GPA:** 3.99 | Dean's List nine quarters | President's List 2020-23
- **Relevant Courses:** Data Structures, Analysis of Algorithms, Project-based OOP and Design, Intro to Software Engineering, Artificial Intelligence, Programming Languages, Intro to Computer Security, Intro to Databases (Current F23) Operating Systems, Speech and Language Processing, Intro to Data Science

PROFESSIONAL EXPERIENCE

Veeva Systems   **Remote**
Software Engineer Intern - Core Documents Team   *Jun 2023 – Sept 2023*
- Operated as a fullstack developer on Vault Platform's Core Documents team - adding and improving core functionality on the Vault product, a multi-tenant system focused on document and data management
- Improved the user interface and optimized the performance of a bulk document restoration feature, resulting in a 15% faster execution time
- Collaborated with the team and cross-team members to resolve 5+ issues in Document's wide product area
- Utilized Java, Spring, and MySQL for the backend and React and Javascript for the frontend

Workday   **Pleasanton, CA**
Software Application Engineer Intern - Person Team   *Jun 2022 – Sept 2022*
- Developed an internal tool that expedites feature testing by allowing developers to generate custom test data
- Enhanced a key feature, enabling the identification of duplicate persons in a recruiting pipeline by name
- Conducted comprehensive performance testing on the above features to ensure acceptable response times
- Utilized proprietary object-oriented languages and frameworks, JIRA, and Crucible; Gained knowledge of the software development lifecycle and scrum

PROJECTS & OUTSIDE EXPERIENCE

Hack4Impact Cal Poly   **San Luis Obispo, CA**
Associate Director of Engineering | Tech Lead | Software Developer   *Oct 2021 – Present*
- University club that develops web apps for local non-profit organizations to help them better achieve their missions
- Developed a volunteer management system for the Woods Humane Society when first joining as a developer
- Led a team of developers in 2022 to develop a donation tracker; Directed app design and implementation, conducted weekly sprint planning, and delivered product to a non-profit as a tech lead
- Currently planning and executing new engineering initiatives such as developer boot camp, tech lead boot camp, and migrating project deployments to Vercel as a club board member
- Utilized Javascript, Typescript, React, Node.js, AWS Amplify, Express, MongoDB, NextJS, and Git

UML2Code
Senior Project - https://uml2code.vercel.app/   *Mar 2023 – Present*
- Developed a full-stack web application designed to educate students in intro CS courses on UML diagramming and fundamental object-oriented design principles
- Implemented an interactive diagramming interface with React, RESTful backend server with Express, and CI/CD pipeline with GitHub Actions and Vercel
- Currently implementing a Java code generation algorithm from the diagrams constructed within the application

The Bananalyst
Course Team Project   *Oct 2022 – Dec 2022*
- Collaborated with a four-member team to create a banana-themed social movie review web application
- Led sprint planning, designed, and implemented movie search, CRUD, storage, and integration to an external API

SKILLS

Programming: (Proficient) Javascript, Java, Python, HTML/CSS (Familiar) Typescript, MySQL, C/C++

Tools/Frameworks: (Proficient) React, Git, Node.js (Familiar) Spring, Express, MongoDB, AWS Amplify, Unix/Linux