JONATHAN LU

Milpitas, CA | jonathanlu2582@gmail.com | (669) 204-5411 | github.com/Jonathan-Lu-2018 |
linkedin.com/in/jonathan-lu-162248161

EDUCATION

San Jose State University, *Davidson College of Engineering*   San Jose, CA
Major: *Bachelor's* in Software Engineering   Graduated May 2022
GPA: 3.58/4.0 **Honors:** Cum Laude, Dean Scholar, Phi Kappa Phi Invitee, Tau Beta Pi Invitee
Related Coursework: Java, Python, Linux, Git, Data Structures & Algorithms, Operating Systems, Object-Oriented Design, Assembly, Computer Architecture, Networks, Database Management, Information Security, Software Design

PROFESSIONAL EXPERIENCE

PricewaterhouseCoopers, Cloud & Digital – Cloud Innovation & Engineering   San Jose, CA
Cloud Engineer Associate   July 2022 - Present
- Participated in a case study competition with **over 350 new joiners** as part of Consulting Solutions Start.
- Developed a fully functional banking application utilizing **Java Spring Boot** for PwC partners as part of an 8-week Cloud Academy training.
- Provided **Azure** knowledge to guide clients in **Microsoft 365 cloud migration** from the United States to Asia.
- Incorporated **DevOps** practices to deliver code in setting up Microsoft applications **via 21Vianet.**

The Opportunities Club, San Jose State University   San Jose, CA
Front-End Developer Extern   May – August 2020
- Regularly attended meetings with industry leaders to accommodate needs and discuss upcoming plans.
- Worked alongside **a team of 30 undergraduates** to develop a farm supply chain for farm owners in India.
- Drew product mockups through **Adobe XD** as a guide for group lead and design team.
- Built a user interface design **using React.js/Node.js, HTML, and CSS** that detects account login.

PERSONAL PROJECTS

iSky
Student Developer
- Built a **React.js** web application that allows users to plan for future vacations during the pandemic.
- Rendered front-end frameworks using **Axios** and **Node.js** to run API calls through **Google Maps**, **TripAdviso**r, and **OpenWeatherMap.**
- Utilized **Chart.js** library to create dynamic data visualization of active COVID cases through customizable inputs.
- Implemented the home page using Material-UI, resulting in a sleek and modern user interface.

Slice
Group Lead, Programmer
- Led a group of 4 to build a **Python Django** food delivery application where users can order take-out.
- Allocated work among team members to ensure assignments followed the **agile development** process.
- Achieved **full stack functionality** by creating SQLite schemas and integrating with front-end designs.
- Wrote the entire **Python** backend models for customer to validate their orders.
- Implemented **JavaScript's localStorage property** for adding and removing food items in shopping cart.

Slay the Python
Group Lead, Programmer
- Developed a **Python Flask** application for users to plan out important events and provide a work-life balance.
- Contributed to the definition of **SDLC** project requirements by collaborating with a team of 3 undergraduates.
- Leveraged my knowledge of **HTML** and **CSS** to create a customized menu page.
- Designed a **SQLAlchemy database** to store account credentials and appointment dates.
- Successfully deployed a fully functional web application through **Heroku.**

SKILLS

Literacy: Cantonese (native), English (fluent), Mandarin (fluent), Vietnamese (basic), Spanish (basic)
Programming Languages: Java, Python, C, C++, HTML, CSS, Flask, React.js, Node.js, SQL
Certifications: Azure Fundamentals **(AZ-900),** Azure Developer Associate **(AZ-204)**
Development Tools: Sublime Text, Visual Studio Code, Visual Studio, Eclipse, PyCharm, Microsoft Office
Interests: Full-Stack Development, Data Science, Machine Learning/AI, Cybersecurity, Music, Photography, NBA, NFL