JAY MISHRA

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EDUCATION

UCLA   June 2021
B.S. Computer Science (GPA: 3.66)
• Honors: Dean's Honor List, Upsilon Pi Epsilon Computer Science Honor Society
• Relevant Coursework: Data Structures, Algorithms, Computer Graphics, Databases, Distributed Systems

EMPLOYMENT

Incoming Security Engineer Intern
Facebook   June 2019 to Sept. 2019
• Building internal tools to help strengthen Facebook's integrity, secure user data, and protect against external attacks

Software Engineering Intern
Zededa   June 2018 to Sept. 2018
• Wrote a client-server application in Go to verify that applications deployed on devices using Zededa's IoT platform are working
• Built the Actions and Selectors for the application UI in React so that customers could write tests for their deployed applications
• Developed an EOS block producer configuration using Docker Compose and EOSIO to be deployed on Zededa's platform

Full Stack Web Developer
UCLA Athletics Hall of Fame   Apr. 2018 to Apr. 2019
• Adds new athletes and teams to the Hall of Fame database and updates a Swift application to show this information to visitors
• Built and maintains a live UCLA athletics social media feed in Javascript and Python that uses the Twitter and Instagram APIs

PROJECTS

Glia   Jan. 2019 to Mar. 2019
• Developing the frontend of a gratitude journal that has users write down one thing they're grateful for every day
• Using React and Redux to create the web app's UI and keep track of application state so signed in users can view prior entries

Misc.   Sept. 2018
• Developed React Native iOS app to help set up recurring reminders for miscellaneous tasks during React Riot 2018
• Created the app's home feed listing created reminders with title, description, and live countdown timers for each reminder
• Helped build the screen for creating new reminders and helped set up notifications to reset once a reminders' timer had expired

SKILLS/INTERESTS

Languages: C++, Python, Go, Java, Bash, Javascript, HTML/CSS
Frameworks/Technologies: Docker, Django, PostgreSQL, React, Redux
Interests: Skateboarding, Biking, Basketball, Weightlifiting, Slacklining, Reading, Traveling, Sneakers, Manga, Meditation

ACTIVITIES

Backend Developer
DevX   Jan. 2019 to Current
• Developing a web app that helps new UCLA students find clubs and student organizations that match their interests
• Building the web server backend using Python's Django framework and PostgreSQL for the club and user database tables
• Deploying the entire application on AWS EC2 using Docker Compose to containerize each service and Nginx for load balancing

Director of Technology
Sigma Eta Pi   May 2018 to Dec. 2018
• Works with designers to maintain and update the design and content of uclasep.com for each recruitment cycle
• Organized a p5.js programming workshop series to encourage active members with little to no prior experience to learn coding