Joie Ng

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY **Expected May 2022**
B.S. Computer Science, Minor in Information Science (UX Concentration)
GPA: 3.5; Dean's Honor List, Fall 2019

*Skills***:** Java, Python, JavaScript, HTML, CSS, React.js, Node.js, MongoDB, React Native, PHP, SQL, Swift, C, R
Relevant Courses: Data Structures and Functional Programming, Algorithms, Database Systems, Computer System Organization and Programming, Object - Oriented Programming and Data Structures, Discrete Structures

PROFESSIONAL EXPERIENCE

Full Stack Development Intern Jun. 2020 – Present
SAP Concur Bellevue, WA
- Pioneered project to integrate/visualize data for Quality Metrics Dashboard web application
- Visualized data using Victory library based on 2 quality metrics, Test Execution and Bugs, elevating the transparency of system health and accessibility of data on product performance
- Applied Jest test framework and expanded unit test coverage with the Enzyme library

CS Co-Lead, Mobile Developer Aug. 2019 – Present
Cornell University Sustainable Design (CUSD): Project Currents Ithaca, NY
- Developed mobile application using React Native to update state of the heating system in campus rooms based on user location predictions to maximize energy savings
- Integrated application with server (Node.js) and established endpoints to pull real-time occupancy data from the Energy Management Control System (EMCS)

Digital Design Developer Jan. – May 2019
Cornell University Sustainable Design (CUSD): Project Tiny Home Ithaca, NY
- Implemented Interactive Sustainability web application to provide users with feedback on their knowledge of sustainable practices within the home (HTML, CSS, PHP, SQL)
- Designed and developed admin dashboard for updating quiz content and information
- Final product presented to panel of 20+ local green leaders

LEADERSHIP EXPERIENCE

Web Developer Ithaca, NY
Cornell Creatives Jan. 2020 - Present
- Refining Cornell Creatives website as a platform to unite a community of 300+ creators
- Using JavaScript, HTML, CSS; Collaborating with 5 other designers and developers.

Webmaster Ithaca, NY
Cornell Society of Women Engineers (SWE) Aug. 2019 – Present
- Redesigning/developing Cornell SWE website using React in collaboration with 2 developers

PROJECTS & OTHER INVOLVEMENT

BBHS Roots & Shoots Club Website Aug. 2019
- Designed and developed website for local high school's Roots & Shoots Club to boost club publicity and community engagement (HTML, CSS, JS)

OH! Application Dec. 2018
- Developed application for iOS that consolidates office hours for courses offered at Cornell onto one platform, organized into a calendar view
- Implemented Cornell Class Roster API to pull data on 4000+ courses and instructors