Joie Ng

www.joieng.me
jn437@cornell.edu

EDUCATION

Cornell University, College of Engineering, Ithaca, NY   **Expected May 2022**
B.S. Computer Science, Minor in Information Science (UX Concentration)

Skills: Java, Python, JavaScript, React.js, HTML5, CSS3, Node.js, MongoDB, React Native, PHP, SQL, Swift, C
Relevant Courses*:* Data Structures and Functional Programming, Algorithms, Systems Programming, Language and Information (NLP), Databases, Computer System Organization and Programming, Object - Oriented Programming and Data Structures, Discrete Structures, Intermediate Design and Programming for the Web

EXPERIENCE

Software Engineer Intern (Menlo Park, CA)   Jun. – Aug. 2021
Facebook
- Implemented 2 new card features driving increase in user engagement with Facebook events and hosts
- Utilized ReactJS for front-end and GraphQL/Hack for backend
- Launched experiment, rolled out features on website to target allocation, 30% of public test users
- Addressed 30+ code quality issues within Events, improving quality in relevant areas by up to 70%

Full Stack Development Intern (Bellevue, WA)   Jun. – Dec. 2020
SAP Concur
- 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
- 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
- Implemented 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 content and information
- Presented final product to panel of 20+ local green leaders

PROJECTS & ADDITIONAL INVOLVEMENTS

BBHS Roots & Shoots Club Website
- Designed and developed website for local Roots & Shoots Club boosting visibility and club engagement

Cornell Creatives Web Developer
- Refined Cornell Creatives website as a platform to unite a community of 300+ creators
- Using JavaScript, HTML, CSS; Collaborating with 5 other designers and developers

Other Involvements: Rewriting the Code Fellow, Cornell Society of Women Engineers (SWE)