David Ng

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Relevant Experience

Software Developer Intern • Redfin
Jun - Aug 2018 | San Francisco, CA

- Developed a prototype Progressive Web App (PWA) of the Home Values page in React, leveraging service workers and caching to improve performance and UX
- Investigated and proposed ideal implementation strategies for introducing PWA standards to Redfin as a whole
- Implemented updates to the search map using Java and Flux-architectured React

Front End Developer Intern • Crowdkeep
Jun 2015 - Dec 2017 | Washington, DC

- Designed and developed new updates in React for an admin dashboard, interactive timesheet, on-boarding tutorial, and more
- Led and managed a team of four interns by organizing tasks, defining requirements, and mentoring in HTML, SCSS, JS, React, and Git

Leadership

Student Instructor • University of Maryland
Aug 2018 - Present | College Park, MD

- Co-create and co-teach a one-credit course, "Front-End Web Design & Development," to instruct 20+ students on how to code responsive websites using modern web-technologies such as Bootstrap, SCSS, Git

Director of Technology • Technica
Jan 2018 - Present | College Park, MD

- Lead a 12 person tech team to develop a hackathon event mobile app (React-Native) for participants and a voting web app (React & Flask) for sponsors
- Collaborate with 10 other teams to organize the world's largest all-female hackathon

Projects

Technica Mobile App 2018
- Lead the development of a hackathon participant app with QR code check-in, saving events for real-time notifications, mentor requesting, and more

Chinglish 2017
- Developed a full-stack Node chatting web application to alleviate language barriers between Chinese and English speakers

Education

University of Maryland
Expected May 2019
GPA: 3.95

B.S. in Computer Science
Gates Millennium Scholar
College Park ETE Scholar

Skills

Languages
Java, JavaScript, HTML, CSS, SCSS, Less, PHP, C, Ruby, OCaml

Libraries & Frameworks
React, React-Native, Redux, Node, Express, jQuery, Socket.IO, Bootstrap, Jekyll

Development Tools
Git, GitHub, AWS

Design
Photoshop, Illustrator, Sketch

Coursework

Algorithms
Bioinformatics *(current)*
Cloud Computing with AWS
Computer & Network Security
Data Structures
Design & Analysis of Algorithms
Discrete Structures
Full Stack with Node.JS
Handheld Systems *(current)*
Object-Oriented Programming
PHP & JavaScript