Nathan Smith

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EDUCATION

University of California, Los Angeles
B.S. Computer Science
Expected Graduation: June 2020
GPA: 3.48 | Upsilon Pi Epsilon Honor Society

Relevant Coursework:
• Data Structures and Algorithms
• Software Construction
• Computer Organization
• Operating Systems
• Computer Graphics
• Programming Languages
• Experience Design for Web
• Human-Computer Interaction

SKILLS

Languages:
HTML • CSS/Sass • JavaScript (ES2018)/TypeScript • Python • C/C++ • Swift

Frameworks & Technologies:
Node.js • Express.js • React • Redux • Electron • React Native • GraphQL • Flow • Bootstrap/Foundation • CSS-in-JS • jQuery • Flask • Django • MongoDB • PostgreSQL • Docker

Tools & Methodologies:
Git • Shell • Xcode • VS Code • Sketch • Figma • Agile/Scrum • Functional • Testing (Unit, Integration, E2E) • 12-Factor

EXPERIENCE

Keybase: Software Engineering Intern *(June 2018 – September 2018)*
• Developed screens enabling cryptocurrency payments and wallet account management from within the Keybase Electron/React Native app with React and Redux.
• Refactored and tested notification badging icons across 10+ interface pages in both desktop and mobile applications.
• Integrated server chat data into frontend client asynchronously through a saga to provide more accurate information on unread chat messages.

Autodesk: Web Development Intern *(June 2017 – September 2017)*
• Audited information architecture of internal sites focusing on usability, designed clearer mockups and prototypes, and presented findings to Autodesk's VP of Design.
• Retooled build system of internal web framework using Babel and Webpack to decrease load time of sites used daily by more than 4,000 Autodesk engineers.
• Architected APIs for new framework components and implemented components in Sass and JavaScript.

Daily Bruin: Online Director *(June 2018 – Present)*
• Produced numerous data-driven stories and interactive webpages, often on strict deadlines of 7 days or fewer.
• Migrated various static pages and dynamic web applications averaging 300,000 views/month to new servers, resulting in savings of $540/year.
• Developed intern training curriculum to increase retention and productivity. Content covers full-stack web development, from semantic and accessible HTML to deploying a web app with Docker.

UCLA Radio: Web Manager *(March 2017 – June 2018)*
• Implemented show notifications and localized show times for native Swift iOS app.
• Orchestrated automated CI/CD pipeline for Node.js server to enable rapid deployments and ensure code quality.
• Incorporated code review and Agile principles into team workflow, fostering a strong culture of code quality over quantity.

SELECTED PROJECTS *for more projects, please visit https://nathansmith.io.*

Sources (TypeScript, React, GraphQL, Express.js, PostgreSQL)
Sole developer of a secure and real-time database application to quickly search and manage 800+ news contacts. Site backend is an Express.js server that handles OAuth login and CRUD functionality. React frontend communicates with server via GraphQL.

A Look Inside USAC Candidate Campaign Finances (chart.js)
Author and developer of investigative article examining sources of funding for candidates in UCLA's 2018 student government elections.

uclaradio.com (React, Redux, Express, MongoDB)
Project manager and developer of dynamic web page that streams music live, enables listener interaction with DJs, and manages members of UCLA Radio internally. Receives ~5,000 views/month.