

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

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 • jQuery • Flask •

Django • MongoDB •

PostgreSQL • Docker

Tools & Methodologies:

Git • Shell • Xcode • VS Code •

Sketch • Figma • CSS-in-JS •

Agile/Scrum • Functional •

Testing (Unit, Integration, E2E) •

I2-Factor

EXPERIENCE

Keybase: Software Engineering Intern (*June 2018 – September 2018*)

- Refactored and tested notification badging icons across 10+ interface pages in both desktop and mobile applications.
- Integrated server data into frontend client through Redux flow 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.
- Conducted user research on and spearheaded redesign of dailybruin.com utilizing a custom component-based design system.
- 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

[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.