

KEVIN SMITH

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Education

University of Massachusetts, Amherst

Bachelor of Science in Computer Science

Sep. 2019 – May 2023(expected)

Amherst, Massachusetts

Relevant Coursework

- Algorithms
- Data Structures
- Distributed Systems
- Operating Systems
- Computer Architecture
- Networking
- Databases
- Compilers
- Web Programming
- Scalable Web Systems
- Programming Methodologies
- Circuits & Logic

Technical Skills

Languages: JavaScript, TypeScript, Python, C++, C, Go, Java, SQL, HTML, CSS, Bash, Regular Expressions

Developer Tools: VSCode, Vim, Bash Shell, Git, GitHub, Chrome DevTools, Webpack, Babel, ESLint

Technologies: Linux, React, Redux, Flexbox, Node.js, pthread, Express, Jest, React Testing Library, MongoDB

Experience

Google

May. 2022 - Aug. 2022

Software Engineering Intern

San Francisco, CA

- Used React, TypeScript, Redux, Ruby, Jest, and Git to implement a new sidebar and content cards for the homepage of a large Google Cloud service.
- Maintained feature parity while redesigning aspects of the UI, resulting in a more consistent UX, without breaking the flow of the old one.
- Provided unit tests, integration tests, and lead a bug bash consisting of three other engineers, to ensure that the software was ready for the next release.
- Wrote various pieces of documentation, including a design doc, and delivered a final presentation to share knowledge and communicate the value of the project.

GitHub

Sep. 2021 – Dec. 2021

Software Engineering Intern

Remote

- Lead the design and development of a Node.js CLI tool that generates migration metrics for Octoshift, a tool that automates the migration of Git repositories between Microsoft Azure DevOps, GitHub, GitLab and Bitbucket.

Major League Hacking

Sep. 2021 – Dec. 2021

Software Engineering Fellow

Remote

- Learned industry best practices and technologies through projects and an educational curriculum.
- Received technical mentorship from professional software engineers through code reviews and peer programming.

Projects

GitHub Migration Analyzer | *JavaScript, YAML, Node.js, Jest, GitHub Actions*

Fall 2021

- Used JavaScript to write Node.js modules and refactor existing modules, ensuring code efficiency, readability, maintainability, modularity, and cleanliness.
- Wrote tests using Jest and created a continuous integration pipeline using YAML and GitHub Actions to automate the running of the tests on pushes to the codebase or manual triggers.
- Created and maintained documentation in the form of an Architectural Decision Log that tracked the architectural decisions of the project, and a README that adhered to requirements for an open source project at GitHub.

InTouch | *JavaScript, JSX, CSS, React, Express, Node.js, MongoDB, Heroku, REST API, Context API*

Summer 2021

- Developed, and deployed to Heroku, a full stack MERN (MongoDB, Express, React, Node.js) web application that allows users to create, update, delete, and view posts. Users can like and unlike posts, and follow and unfollow other users.
- Built a REST API using Express and Node.js to handle previously mentioned functionality as well as retrieving following and followers lists, updating and retrieving profile and cover pictures, bios, and user information, and deleting a profile.

Extracurricular

Google Developer Student Club

Summer 2020 – Present

Software Developer

University of Massachusetts, Amherst

- Designed the schema for the SQL database for Social Insights, a big data project that uses machine learning to generate political sentiment analysis from Twitter data.