

AIDAN SMITH

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[GitHub](#) | [LinkedIn](#)

EXPERIENCE

Neuralink | Brain Computer Interfaces Software Engineer Fremont, California | Dec 2022 - Present

- Conducted novel research leading to world record brain computer interface performance — both in monkey and in human
- Built Neuralink.com including its patient registry in <3 weeks in time for FDA approval
- Deleted/replaced tens of thousands of lines of tech debt, including completely re-implementing the core task our monkey's play from the ground up
- Created the core data platform used to evaluate BCI performance in real time across the company.
- Built full-stack machine learning systems to correlate the body with neural signal.

Skills: TypeScript, Kubernetes, Docker, Python, PyTorch, React, Flask, Node.js, Rails, SwiftUI

Chess.com | Full Time Front-end Developer Remote | Aug 2020 - Aug 2022

- Led technical development for the world's largest chess website, including visionary refactors of Puzzles, Insights, Stats, Endgames, and Vs Computer, eliminating technical debt
- Optimized Core Web Vitals across the site — saving over 2 megabytes of bandwidth on every page with a board, and increasing revenue by over 2 million dollars a year.
- Built a new in-house video player API with feature parity with industry-standard streamers—used by over 5 million daily active users improving pageload times by 50%
- Rebuilt the VM stack from the ground up, allowing us to migrate development to ARM

Skills: Vue.js, TypeScript, SCSS, Twig, Symfony, PHP, Node.js, Webpack, Networking

Stria | Full Stack Team Lead Mountain View, California | Jun 2020 - Aug 2020

- Developed a blind/visually-impaired accessible dashboard to control custom embedded vision sensor
- Prioritized accessible web-development with ARIA roles and screen-reader compliance
- Led a team of 3 developers and a designer to meet rigorous technical requirements

Skills: Vue.js, JavaScript, SCSS, ARIA, Embedded Systems, Leadership

SwayPay | Security Intern Mountain View, California | Jul 2019 - Sep 2019

- Wrote documentation addressing security concerns with our integration of Shopify's API
- Developed plans for extension approval on the Shopify store

Skills: Technical Documentation, React.js, JavaScript, Shopify

EDUCATION

Georgia Institute of Technology Atlanta, Georgia

BS Computer Science, Github Campus Expert

2022-Present

GPA: 4.0, Relevant Coursework: Data Structures and Algorithms, Cloud Computing, Natural Language Processing, Linear Algebra

Mountain View High School Mountain View, CA

GPA: 4.8 / 4, SAT: 1560

SKILLS

Programming Languages: Typescript, JavaScript, Python, Java, PHP, Rust, Go
Libraries/Frameworks: Vue, React, Symfony, Express, Webpack, Flask, Vite, Svelte
Tools / Platforms: GCP, AWS, Zeplin, Vagrant, Linux, LaTeX
Databases: Postgres, MongoDB, DynamoDB