

# SHAMITH PASULA

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## EDUCATION

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### University of California, Berkeley

Bachelor of Arts in Computer Science & Astrophysics

Cumulative GPA: 3.95/4.00

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Computer Security, Discrete Math & Probability, Physics

Berkeley, CA

Expected May 2025

## WORK EXPERIENCE

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### ZIPRECRUITER

Software Engineer Intern

Santa Monica, CA

May 2023 - August 2023

- Spearheaded development of system for serving banners across 500+ ZipRecruiter frontends, replacing fragmented services.
- Overhauled legacy Perl system, utilizing Express, React.js, and Next.js through gRPC and HTTP for security and scalability.
- Strengthened SEO and UX by reducing page load times by 40% with server-side rendering and static site generation.
- Streamlined the process of adding new banners to a 1 file change, enhancing productivity within the development team.

### ATLASSIAN

Senior Developer Consultant

Berkeley, CA

August 2022 - December 2022

- Architected integration between Compass and Jira through Forge, facilitating communication across engineering disciplines.
- Headed team of 5 developers to reduce time-to-resolution for issues by 25%, leveraging agile methodologies and CI/CD.
- Constructed NLP-based algorithm to group 1000s of issues by similarity through AWS EC2 to save time for end users.

### ENVESTNET

Software Engineer Intern

San Mateo, CA

June 2022 - August 2022

- Designed embedded finance solution for Envestnet to reach underprivileged communities through microlearning.
- Customized 30+ UI pages for Envestnet portal with React.js, utilizing Redux and Redux Saga for state management.
- Assembled full suite of end-to-end testing and integrated them into CI/CD to improve development for ~1000 employees.

### INSPIRIT AI

Instructor

Stanford, CA

June 2022 - August 2022

- Tutored 20 high-school students on AI fundamentals, including linear regression, CNNs, and NLP.
- Mentored students in Python, Tensorflow, and Scikit-learn to create a distracted driver image classifier with 92% accuracy.
- Directed college prep workshops for 100+ students, collaborating with graduate students from Stanford, MIT, etc.

### ASSISTIVE TECHNOLOGY DEVELOPMENT

Software Engineer Intern

Berkeley, CA

January 2022 - May 2022

- Fabricated cost-effective pneumatic device to treat lockjaw, collaborating with 6 engineers at a SkyDeck-backed company.
- Developed Python GUI and firmware for Arduino microcontroller to ensure a smooth, user-friendly experience.
- Analyzed 5 key competitors and explored a range of methodologies aimed at patient-specific needs when aiding jaw opening.

## ORGANIZATIONS

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### SPACE TECHNOLOGIES AT CAL (STAC)

Member

Berkeley, CA

January 2023 - Present

- Programming electron spin resonance experiment on NV-center diamond in 8 x 8 inch satellite launching in 2024.
- Optimizing multithreaded C code for UART and SPI communications for STM microcontroller, yielding a 100x speedup.

### PLEXTECH

Instructor → Project Manager → Treasurer → President

Berkeley, CA

January 2022 - Present

- Pioneering full-stack web portal for 50+ club members to slash reimbursement approval time from 6 months to 1 week.
- Overseeing web dev education and technology consulting nonprofit with \$100k of annual revenue and 5% acceptance rate.

## SKILLS

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**Languages:** TypeScript, Python, C, C++, Java, HTML/CSS, SQL, Rust, Golang, Ruby, Perl, SwiftUI, Kotlin, x86, RISC-V

**Technologies:** React.js, Next.js, Redux, GraphQL, MongoDB, Flask, jQuery, Selenium, TensorFlow, NumPy/Pandas, AWS