

Brendan Lieu

(408) 623-6125 | brendanlieu05@gmail.com | linkedin.com/in/blieu | github.com/brelieu05

EDUCATION

University of California, Irvine
Bachelor of Science in Computer Science

June 2027
GPA: 3.7

EXPERIENCE

Sciton Inc.

June 2025 – September 2025

Software Engineering Intern

Palo Alto, CA

- Developed an internal profit-projection platform using React, TypeScript, and Python, adopted by 50 sales reps
- Optimized internal data pipelines with Google Cloud Run and BigQuery, reducing search query times by 93%
- Engineered interface to automate robotic-arm testing of laser devices with motion control and visualization

Commit the Change

October 2023 – Present

Technical Director

Irvine, CA

- Led 50 developers and 12 designers to deliver full-stack apps, streamlining operations for three local nonprofits
- Managed cross-functional sprints, overseeing deployments, client feedback loops, and student developer mentorship
- Leveraged GitHub Actions and AWS (CloudFront, EC2, S3, RDS) CI/CD pipelines to support legacy projects

La Peña Cultural Center

September 2024 – September 2025

Full Stack Developer

Berkeley, CA

- Built React & TypeScript financial system streamlining operations for nonprofit serving 25K+ participants
- Developed invoice management system that automated financial workflows and reduced manual processing by 80%
- Built Node.js/Express & PostgreSQL backend with Google Calendar API for automated scheduling and invoicing

ZotnFound

September 2024 – Present

Full Stack Developer

Irvine, CA

- Built a campus-wide lost and found app with TypeScript and React Native, facilitating 100+ item reports
- Leveraged SST and AWS services (RDS, S3) to deliver a real-time platform serving 700+ monthly users
- Migrated ZotnFound to Next.js, Shadcn, and Drizzle ORM, modernizing the stack for scalability and reliability

Live Good Inc.

January 2025 – May 2025

Cybersecurity Analyst

Irvine, CA

- Patched 5+ website vulnerabilities to prevent data exposure from endpoints and WordPress plugin exploits
- Built 50+ high-quality backlinks by fixing broken links and refining keywords, improving SEO and brand visibility
- Delivered SEO and cybersecurity reports to leadership and executed fixes to improve site security and performance

PROJECTS

RateMyClub | *TypeScript, React, PostgreSQL, AWS (EC2 + RDS)*

June 2024 – October 2024

- Deployed a responsive full-stack web app on AWS, enabling 100+ students to discover and review university clubs
- Crafted intuitive UI/UX in Figma and translated designs into reusable and mobile-friendly React components
- Built server-side filtering and search achieving <100 ms response times when querying clubs by tags and university

Fabflix | *Java, MySQL, Apache Tomcat, Docker, Kubernetes, GCP, AWS EC2*

January 2025 - April 2025

- Built and deployed full-stack movie database app with Java, MySQL, Docker, and Apache Tomcat
- Implemented connection pooling with replica databases to scale read operations and improve efficiency
- Deployed and load-balanced app with Docker, Kubernetes (K8S), and GCP to ensure scalability

Academic Search Engine | *Python, FastAPI, React, ChatGPT API*

January 2025 - April 2025

- Built a search engine for a collection of school files using React and Python for web scraping and parsing
- Achieved <300ms lookup time by implementing inverted index, PageRank algorithm, and multithreading
- Integrated ChatGPT API for NLP-based summarization of search results, enhancing clarity and user experience

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, C/C++, SQL (MySQL, PostgreSQL, BigQuery), HTML/CSS

Frameworks/Libraries: React/React Native, TypeScript, Flask, FastAPI, Express.js, Node.js, Pandas

Platforms/Tools: AWS (RDS, EC2, S3), Kubernetes, Docker, Google Cloud, Firebase, Git, WordPress