

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: 3.73

EXPERIENCE

Software Engineering Intern

June 2025 – September 2025

Sciton Inc.

Palo Alto, CA

- Developed a 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

Full Stack Developer

November 2025 – Present

AntAlmanac

Irvine, CA

- Maintained a course-planning app serving **10,000+** monthly users, using **React**, **tRPC**, **Drizzle**, and **AWS**
- Improved UI responsiveness during data loading, reducing user confusion and creating a smoother experience
- Worked in Agile/Scrum process, contributing to sprint planning, issue triage, and iterative feature development

Technical Director

October 2023 – Present

Commit the Change

Irvine, CA

- Led **50 developers and 12 designers** to deliver full-stack apps, streamlining operations for **3 local nonprofits**
- Managed cross-functional sprints, overseeing deployments, client feedback loops, and student developer mentorship
- Leveraged GitHub Actions, **AWS (CloudFront, EC2, S3, RDS)**, CI/CD pipelines to support legacy projects

Full Stack Developer

September 2024 – September 2025

La Pena Cultural Center

Berkeley, CA

- Streamlined financial operations using **React** and **TypeScript** for a nonprofit serving **25K+** people yearly
- Developed invoice management system and automated financial workflows to reduced manual processing by **80%**
- Deployed a scalable RESTful backend using **Node.js**, **Express**, **PostgreSQL** with Google Calendar integration

Full Stack Developer

September 2024 – November 2025

ZotnFound

Irvine, CA

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

PROJECTS

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

June 2024 – October 2024

- Shipped 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
- Engineered scalable server-side filtering and search on **AWS (EC2 + RDS)**, achieving sub-**100 ms** responses

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

January 2025 - April 2025

- Engineered full-stack movie database app using **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 **Google Cloud** to ensure scalability

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