

Brendan Lieu

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EDUCATION

University of California, Irvine
Bachelor of Science in Computer Science

June 2027
GPA: 3.73

EXPERIENCE

Sciton Inc.

June 2025 – September 2025

Software Engineering Intern

Palo Alto, CA

- Developed a profit-projection platform using **React**, **TypeScript**, and **Python** adopted by **50+** sales reps
- Cut search times by **93%** using **Google Cloud Run + BigQuery** by automatically parsing raw logs into SQL
- Automated hand-held laser tests and generation of **10+ compliance reports** with **Python/Flask** scripts

AntAlmanac

November 2025 – Present

Full Stack Developer

Irvine, CA

- Shipped **5+ full-stack features** for a robust course-planning platform with **10,000+ monthly users**
- Built schedule link sharing using **tRPC**, **Prisma ORM**, and **PostgreSQL** with unique shareable URLs
- Engineered loading skeletons and client-side schedule caching with **React**, **TypeScript**, and **Material UI**

Commit the Change

October 2023 – Present

Technical Director

Irvine, CA

- Led **50 developers and 12 designers** to deliver full-stack apps, streamlining operations for **3 local nonprofits**
- Maintained legacy applications by fixing bugs and adding features using **React**, **JavaScript**, and **PostgreSQL**
- Automated deployments with **AWS (CloudFront, EC2, S3, RDS)**, **GitHub Actions**, and **CI/CD pipelines**

La Pena Cultural Center

September 2024 – September 2025

Full Stack Developer

Berkeley, CA

- Streamlined financial operations **80%** using **React** and **TypeScript** for a nonprofit serving **25K+ people**
- Designed a scalable REST API with **Node.js**, **Express**, **PostgreSQL**, and **Google Calendar API** integration
- Automated invoice PDFs with custom templates, printing, and emailing using **Gmail API** and **Nodemailer**

ZotnFound

September 2024 – November 2025

Full Stack Developer

Irvine, CA

- Launched a campus-wide lost & found app with **TypeScript & React Native**, facilitating **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**, & **Drizzle ORM**, modernizing the stack for scalability and reliability

PROJECTS

Fabflix | *Java, JavaScript, MySQL, Docker, Kubernetes, GCP, AWS EC2*

January 2025 - April 2025

- Created interactive, responsive UI components with **JavaScript**, **jQuery**, and **AJAX** for dynamic movie browsing
- Created movie genre cache in **Java**, reducing parse time by **96%** preventing redundant **MySQL** operations
- Deployed and load-balanced app with **Docker**, **Kubernetes (K8S)**, and **Google Cloud** to ensure scalability

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

TECHNICAL SKILLS

Languages: JavaScript, Typescript, Python, Java, C, C++, HTML, CSS

Frameworks/Libraries: React, React Native, Next.js, Bootstrap, Flask, FastAPI, Express.js

Database: SQL, PostgreSQL, MySQL, NoSQL, Firebase, Firestore, Supabase

Cloud: AWS (RDS, EC2, S3, Cloudfront); GCP (Cloud Run, App Engine, BigQuery)

Other: Pandas, NumPy, Matplotlib, Git, GitHub, GitLab, Postman, Figma, Docker, Linux, Agile