

Brendan Lieu

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EDUCATION

University of California, Irvine <i>Bachelor of Science in Computer Science</i>	June 2027
	GPA: 3.73

EXPERIENCE

Software Engineering Intern <i>Sciton Inc.</i>	June 2025 – September 2025 <i>Palo Alto, CA</i>
<ul style="list-style-type: none">Developed a profit-projection platform using React, TypeScript, and Python adopted by 50+ sales repsOptimized 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 <i>AntAlmanac</i>	November 2025 – Present <i>Irvine, CA</i>
<ul style="list-style-type: none">Maintained a course-planning app serving 10,000+ monthly users, using React, tRPC, Drizzle, and AWSImproved UI responsiveness during data loading, reducing user confusion and creating a smoother experienceWorked in Agile/Scrum process, contributing to sprint planning, issue triage, and iterative feature development	
Technical Director <i>Commit the Change</i>	October 2023 – Present <i>Irvine, CA</i>
<ul style="list-style-type: none">Led 50 developers and 12 designers to deliver full-stack apps, streamlining operations for 3 local nonprofitsManaged cross-functional sprints, overseeing deployments, client feedback loops, and student developer mentorshipLeveraged GitHub Actions, AWS (CloudFront, EC2, S3, RDS), CI/CD pipelines to support legacy projects	
Full Stack Developer <i>La Pena Cultural Center</i>	September 2024 – September 2025 <i>Berkeley, CA</i>
<ul style="list-style-type: none">Streamlined financial operations using React and TypeScript for a nonprofit serving 25K+ people yearlyDeveloped 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 <i>ZotnFound</i>	September 2024 – November 2025 <i>Irvine, CA</i>
<ul style="list-style-type: none">Launched a campus-wide lost and found app with TypeScript and React Native, handling 100+ item reportsLeveraged SST and AWS services (RDS, S3) to deliver a real-time platform serving 700+ monthly usersLed migration to Next.js, shadcn, and Drizzle ORM, modernizing the stack for scalability and reliability	

PROJECTS

RateMyClub <i>TypeScript, React, PostgreSQL, AWS (EC2 + RDS)</i>	June 2024 – October 2024
<ul style="list-style-type: none">Shipped a responsive full-stack web app on AWS, enabling 100+ students to discover and review university clubsCrafted intuitive UI/UX in Figma and translated designs into reusable and mobile-friendly React componentsEngineered scalable server-side filtering and search on AWS (EC2 + RDS), achieving sub-100 ms responses	
Fabflix <i>Java, MySQL, Apache Tomcat, Docker, Kubernetes, GCP, AWS EC2</i>	January 2025 - April 2025
<ul style="list-style-type: none">Engineered full-stack movie database app using Java, MySQL, Docker, and Apache TomcatImplemented connection pooling with replica databases to scale read operations and improve efficiencyDeployed 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