

Miguel Beltran

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Computer Science student with full stack experience building web applications and backend systems. Seeking Summer 2026 software engineering internship.

EDUCATION

University of California, Davis	Davis, CA
Bachelor of Science in Computer Science	Expected June 2027
<i>Relevant Coursework:</i> Data Structures, Algorithms, Object-Oriented Programming, Computer Architecture, Linear Algebra, Machine Learning	

EXPERIENCE

ASUCD Picnic Day	Davis, CA
<i>Assistant Technical Director</i>	Nov 2025 – Present

- Developing React/Vite/TypeScript event scheduler with MapBox GL JS integration and Supabase REST API backend, embedding interactive map-based itinerary planning into official Picnic Day website serving 70,000+ annual attendees.

Include	Davis, CA
<i>Software Engineer</i>	Oct 2025 – Present

- Developing production Next.js website for UC Davis Space and Satellite Systems using JavaScript and Tailwind CSS; collaborating via Agile sprints and code reviews; expected launch Spring 2026.

Google Developer Student Club	Davis, CA
<i>Software Engineer</i>	Oct 2024 – June 2025

- Built Python/Flask Slack bot integrating Slack API, used by 6+ board members, automating 4+ weekly announcements with fuzzy-matching FAQ system and role assignment algorithms.
- Developed React admin dashboard with Firestore backend enabling board members to manage events and directory of 100+ members.

PROJECTS

8-Bit CPU – Custom Processor Design	<i>Logisim, Digital Logic</i>
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- Designed fully functional 8-bit CPU from scratch with custom instruction set architecture, implementing 5-stage pipeline with data forwarding and microcode-based control unit.

Questify – Gamified Productivity Platform	<i>Next.js, TypeScript, Supabase, PostgreSQL</i>
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- Developing full stack gamified task management application with XP progression and achievement system; designed database schema in Supabase with authentication and real-time sync; CI/CD via GitHub Actions.

Kitch – Kitchen Inventory System	<i>Java, Swing, MVC Architecture</i>
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- Built desktop application following MVC pattern for kitchen inventory and recipe management with persistent CSV storage.

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, TypeScript, SQL

Frameworks & Libraries: React, Next.js, Flask, Node.js, REST APIs, Tailwind CSS, Vite, HTML, CSS

Databases: PostgreSQL, Firestore, Supabase

Tools: Git, GitHub, GitHub Actions, Docker, CI/CD, npm, Linux, Vercel

Concepts: OOP, MVC, Agile, API Integration, CRUD, Version Control, Authentication, Database Design, Debugging