

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

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| 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

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| 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.

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| 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.

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| 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

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| 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.

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| 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.

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| 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