

# Andrew Dover

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## Education

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**BS Software Engineering**

**Graduation: May 2028**

*San Jose State University | College of Engineering*

- **Organizations:** Software and Computer Engineering Society, Responsible Computing Club
- **Relevant Coursework:** Data Structures and Algorithms, Computer Organization and Architecture

## Experience

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**Alpha Custom Tile**

Napa, CA

*Tile Technician Specialist*

*June 2025 - August 2025*

- Assisted the lead installer—prepped sites, staged materials, and communicated with the crew
- Measured layouts, cut tile on a wet saw, set/leveled tiles, and mixed thinset/grout
- Proactively identified and reported any issues or discrepancies, contributing to a seamless operational workflow

## Projects

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**Personal Website** | [andrewdover.com](https://andrewdover.com)

*React, Next.js, Tailwind CSS*

- Built a scrollytelling portfolio in Next.js + Tailwind with custom, scroll-linked interactions
- Implemented a modern Next.js architecture (App Router + React Server Components)

**Liturgical.Display** | [github.com/adover06/liturgy.display](https://github.com/adover06/liturgy.display)

*Python, FastAPI, Tailwind, Vosk STT Model*

- Developed a voice-controlled presentation system using FastAPI + WebSockets
- Integrated offline speech recognition supporting real-time slide/text updates (<200 ms latency)
- Designed a modular backend/frontend architecture serving 2+ concurrent clients with scalable broadcasting

**Magic Mirror** | [magicmirror.builders/](https://magicmirror.builders/)

*Python, Git, JSON, Linux*

- Built an IoT smart mirror for displaying information quickly and improving daily productivity.
- Utilizing Canvas LMS API to see assignments and Spotify Developer API to see current songs playing
- Added Process Manager 2.0 for automated start of Node.js application.

## Skills

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- Languages: Python, Java, HTML, CSS, Lua, C++, JavaScript/Typescript
- Tools: Git/Github, Linux, Docker
- Frameworks: FastAPI, Next.js