

# ANDREW MUNOZ ARVIZU

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## Skills & abilities

**BACK-END DEVELOPMENT** | Java, Python  
**FRONT-END DEVELOPMENT** | HTML, CSS, JS  
**Database Management** | SQL, SQLite  
**MISCELLANEOUS** | JSON, Beautiful Soup

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## Experience

### PERSONAL WEBSITE | HTML, CSS, JS

- Ensured optimal viewing experience across a variety of devices by implementing responsive web design techniques.
- Added an easily accessible contact form to encourage direct communication from visitors.
- Showcased a broad range of skills by curating a diverse portfolio featuring front-end, back-end, and full-stack projects.

### COORDINATE API SCRAPER | PYTHON, JSON, SQL, SQLITE

- Elevated my proficiency in interacting with APIs and handling JSON data.
- The successful extraction of accurate place IDs from Google's geocoding API, showcased in my GitHub repository.
- Utilized Python's urllib and JSON libraries to make secure and accurate API requests.

### SUDOKU SOLVER | PYTHON

- Achieved a significant reduction in time complexity for Sudoku puzzle solving.
- Zero false positives in over 100 test runs, affirming the robustness of the validation process.
- Deployed a recursive backtracking algorithm to iteratively fill and correct the sudoku grid.

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## Education

### CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO

San Luis Obispo, | BS in Computer Science | 2022-2026

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## Coursework

Data Structures and Algorithms  
AP Computer Science Principles

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## Leadership

### Cal Poly Investing | member

- Researched and compared Acorn and Fidelity Roth IRAs for beginners, taking notes on their features and benefits.
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