CRISTIAN CASTRO OLIVA

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EDUCATION

California Polytechnic State University, San Luis Obispo   *September 2023 - June 2025*
- Admitted transfer student for **B.S. Computer Science**; expected graduation: June 2025.

Clovis Community College (Fresno, CA)   *August 2020 - May 2023*
- **3.93/4.00 GPA** with AS Computer Science | AS-T Physics | AS Mathematics | AA-T Economics
- **Vice President of Finance:** Managed **annual budgets** exceeding **$50,000** in Excel, **led** student and faculty **meetings**, and secured club funding by proposing bills to the student senate.

HONORS & ACHIEVEMENTS

2023 President's Medallion Recipient, Clovis Community College: details
- Distinguished as the sole recipient of the college's **most prestigious award**, selected by the College President from a graduating class of 1,131. Recognized for exemplary **leadership**, significant **community contribution**, and superior **academic achievement.**

PERSONAL PROJECT

Schedule Builder (SEP) for Clovis Community College: Website
- **Instantaneous SEP Creation: Streamlines** the 2-3 year **academic planning** process, converting an hour-long task to **seconds** using a Rest API, PDF extraction, & data manipulation.
- **Degree Finder: Find** earned and near-completion **degrees** based on the student's schedule, reducing a 30-minute manual search to an **instant**.
- **Comprehensive Requirement Checker:** Provides a **one-stop solution** for all transfer services. Combines requirements for transfer, degree, and IGETC/CSU-GE to save students and counselors hours of time from navigating lengthy catalogs and complex PDFs.
- **Development Practices:** Implemented CI/CD pipelines, developed comprehensive test cases for 2,700+ transfer agreement combinations, and employed a **multi-branch strategy** (development, testing, production) to ensure a streamlined development
- **Time & Cost Efficiency:** Reduces manual SEP & degree identification time, with potential **annual savings** for CCC of **$200,000+** along with an increase in the number of degrees students earn.

TOOLS & TECHNOLOGIES

Developer Tools: GitHub Actions | AWS | Google Cloud Platform | Heroku | UNIX | VS code
Languages: Python | JavaScript | SQL | C++ | C | HTML5 | CSS | ARM A32 Assembly
Python Libraries: Flask | pandas | numpy | Sentry | Redis | boto3 | spaCy | TensorFlow | sklearn | Selenium | pytest | werkzeug | Requests | DiscordPy | sendgrid | dotenv | re | urllib | json
JavaScript Features & Libraries: ES6 | Fetch API | Promises | DOM | jQuery | AJAX | JSON
Database & ORM: PostgreSQL | MySQL | SQLAlchemy | Flask-SQLAlchemy

EXPERIENCE

Clovis Community College STEM Tutor   *July 2022 - July 2023*
- Tutored students across a **diverse** range of **subjects**, including Computer Science, Physics, Information Systems, and Mathematics (covering Calculus, Differential Equations, Statistics, etc.)
- Facilitated **study sessions** for large groups, providing guidance on study guides, practice problems, and exam preparation.
- **Collaborated** closely with **professors** to develop engaging learning materials, highlight areas of common student confusion, and enhance the overall learning environment.