JOSEPH TREVINO

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EDUCATION

California Polytechnic State University　　　　　　　San Luis Obispo, CA
BS Computer Science *GPA: 3.66*　　　　　　　　　　　　Sep 2019 - Dec 2021

Allan Hancock College　　　　　　　　　　　　　　　Santa Maria, CA
AS Computer Science *GPA: 3.85*　　　　　　　　　　　　Sep 2016 - Jun 2019

WORK EXPERIENCE

Digital Transformation Hub, Sponsored by Amazon　　San Luis Obispo, CA
Software Engineer　　　　　　　　　　　　　　　　　　May 2021 - Dec 2021

- Developed and maintained a serverless API using AWS API Gateway and AWS Lambda to retrieve information stored in an AWS MySQL RDS Instance.
- Created custom parsing applications using Python and AWS Lambda to consume weather instrument data in proprietary files stored in AWS S3 with up to 1000 concurrent invocations.
- Optimized schema sort keys for a MySQL RDS instance to help reduce CPU utilization from 99% to 30%.

iFixit　　　　　　　　　　　　　　　　　　　　　　San Luis Obispo, CA
Software Engineer　　　　　　　　　　　　　　　　　　Sep 2020 - Dec 2020

- Created an AWS Lambda function to serve an appropriate ad located in a DynamoDB table using a browser's user agent.
- Created API documentation and testing suites in Postman using Javascript to verify API response payloads.
- Created methods and routes to support common REST events to trigger AWS Lambda functions.

AgXcel　　　　　　　　　　　　　　　　　　　　　　Remote
Software Engineer　　　　　　　　　　　　　　　　　　Jul 2020 - Sep 2020

- Added French and Spanish languages to production software using the i18n library in Python.
- Fixed GUI inconsistencies across the software by choosing a unified font, color palette, and spacing.
- Extracted time data from a Real Time Clock (RTC) Module DS1308 using Python SPI libraries.

RELEVANT COURSEWORK

Software Engineering Models:	Designing REST APIs, Agile/Scrum models
Object Oriented Programming:	Design paradigms and UML diagrams for software applications
User Interface Design:	Designed software mockups using Figma.
Computer Security:	Security fundamentals, modern crypto, and authentication practices
Database Management Systems:	Relational DBMS, Structured Query Language (SQL)

PROJECTS

QCollab *AWS API Gateway, AWS DynamoDB, AWS Lambda, React*
A full-stack web application that allows users to collaborate on a music queue using Spotify or Apple Music.

File Renamer *Python*
A command line application written in Python to organize your movie database. Movie files are renamed using the TMBD API.

Convert2Playlist *AWS Lambda, API Gateway*
A serverless application using Javascript that converts a Spotify playlist into an Apple Music playlist.