

Alec Mendiola

9899 Scripps Westview Way Unit 142 San Diego, CA 92131

(559) 999-9353 | alec@mendiola.co | github.com/AlecMendiola | <http://mendiola.co/>

Computer Science Engineering (B.S.) – University of California, Merced (Fall 2019)

TECHNICAL SKILLS

C++	ReactNative	MySQL	Github
Java	PHP	SQLite	Symantec Ghost
Python	HTML	Firebase	Faronics Deepfreeze
JavaScript	ROS	Linux	ServiceNow

PROFESSIONAL EXPERIENCE

Software Engineer 1

**Colsa Corporation | Datalink Gateway
(March 2020-Present)**

- Top Secret Security Clearance
- Agile Software Development Environment
- Cipher Development & Bit Manipulation
- Debugging & Unit Testing Multithreaded Programs
- Porting Visual Studio projects from older platform toolsets
- Tool development (Hex Editor, C++ JSON Validator, Satellite API)
- Creating GUI through MFC
- Maintaining separate codebases through both DTR bug fixes and further development
- Independent tasking for additional features
- Powershell Scripting
- Documentation Creation and maintaining
- Reviewing team members' pull requests
- Building programs from customer requirements

Hardware Support Technician

**UC Merced | Computer Lab Management
(April 2017 – December 2019)**

- Managed a combined 600~ computers at three separate locations
- Oversaw 25 employees
- Met with professor and school coordinators to assess software needs and compatibilities
- Created & distributed multiple computer images to 300 workstations twice a year using Symantec Ghost
- Computer hardware maintenance and fixes
- Wrote scripts for printer installation, software installation, and computer testing
- Cataloged operations and instructions using Confluence

PROJECTS

Mobile Application for Moves Training Team

- Mobile App featuring user location tracking, virtual check-in system, user statistic tracking, calendar event sign ups, and event creation.
- UC Merced's Innovate to Grow Mobile App Challenge Winner
- Developed using Javascript, Firebase, ReactNative, CSS

Game of Thrones Database Website

(<http://gameofthroneswebzone.x10host.com/>)

- Website featuring a queryable database of characters and locations from HBO's Game of Thrones.
- Developed using HTML, CSS, PHP, MySQL

Discord Weather Bot

- Bot for Discord that gathers weather information for a user based on their locations as well as providing the top weather-related news story of the day.
- Developed using Python, Yahoo Weather API, News API

Advanced Encryption System (AES) Implementation

- Implementation of AES that could encrypt and decrypt messages.
- Developed using C++

RELEVANT COURSEWORK

Robotics	Operating Systems
Algorithm Design and Data Structures	Computer Graphics
Computer Architecture	Database Systems
Intro to Artificial Intelligence	Intro to Object Oriented Programming