

## Matthew Yamamoto

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### Education

#### **Bachelor of Science in Computer Science**

- California State University Dominguez Hills (CSUDH) - Graduated May 2019

#### **Masters of Science in Computer Science**

- California State University Dominguez Hills (CSUDH) - Expected Graduation May 2024 - GPA 3.575/4.0

#### **Google Data Analytics Professional Certificate**

- Coursera: Google - Completed October 2022

Completed extensive job-ready Google Career Certificate training. Demonstrated hands-on experience with data cleaning, data visualization, project management, interpreting and communicating data analytics findings.

#### **Excel to MySQL: Analytic Techniques for Business**

- Coursera: Duke University - Completed March 2022

Used Excel, Tableau, and MySQL to analyze data, create forecasts and models, design visualizations, and communicate insights that applied to a real-world business process.

### Skills

- **Python:** created an object detection app using OpenCV
- **Microsoft SQL/Crystal Reports:** ran queries to visualize data for monitoring automation equipment and to get summaries of equipment data
- **Tableau:** created reports for personal projects and courses
- **Microsoft Excel:** created a table that compares previously found containers with new lost containers to minimize repeats and save time

### Projects

#### **Car Data [Jupyter Notebook](#)**

- Implemented BeautifulSoup to scrape autoevolution.com to learn something new about cars - Jupyter Notebook
- Visualize what manufacturers have the most models and how many models they still have in production.

#### **Smart Parking [Demo Video](#)**

- Implemented OpenCV filters to detect vacant and occupied parking spaces on CSUDH campus - Python/OpenCV
- Displays all parking spaces in real time to Android application - Dart/Flutter
- Implemented Firebase Firestore database to update all parking spaces in real time

#### **Toros Navigation App [Demo Video](#)**

- Indoor navigation app to provide routes to CSUDH classrooms and offices - Java
- Implemented Indoor Atlas API for tracking which allows for better accuracy indoors
- Implemented Dijkstras algorithm for waypoint navigation

### Experience

#### **IT Operations Support (Cogo Systems)**

Jan 2020-Present

- Monitored automation operations and made sure the equipment is functioning properly with the terminal operating system. (Navis XPS and N4)
- Provided excellent customer service to operations labor and operations management on issues about the terminal operating system and automation.
- Reached out to respective departments and 3rd party businesses to make fixes in order to help the system operate correctly.
- Used data collected from Crystal Reports, Microsoft SQL and camera footage to research lost containers, damaged containers, and miscellaneous requests.
- Tested operations in dev environment to make sure new upgrades work seamlessly with live operations.
- Documented Service Desk tickets and tasks completed for each shift.