

Celine Mangahas

714-299-8553 | celinemangahas13@gmail.com | github.com/celinem13 | linkedin.com/in/celine-mangahas

Skills

Programming Languages

Python, Java, C++, C, JavaScript, HTML, CSS, SQL, R

Data Science and Tools

OpenCV, NumPy, Pandas, MySQL, Unity, Visual Studio, Visual Studio Code, Spyder

Version Control and Collaboration

Git, GitHub, LaTeX, JIRA, Atlassian

Work Experience

Naval Air Warfare Center Weapons Division

China Lake, California

Flight Data Engineer

July 2023 - November 2023

- Automated flight data processing using Python and SQL, reducing manual effort and cutting analysis time from two weeks to one hour using Pandas and NumPy.
- Built dashboards and summaries of over 10 GB of aviation performance data, improving trend analysis and reporting.
- Presented cleaned and structured reports to stakeholders, aiding business planning and KPI monitoring.
- Monitored performance metrics across teams and supported forecasting recommendations.
- Unit tested data collection software using Python, SQL, and Spyder.

Dynamic Augmented Solutions

Remote

Augmented Reality Engineer

December 2022 - February 2023

- Developed a Meta Oculus app featuring a 360° walkthrough of Boeing 737 cockpit controls using UnityVR and C#.
- Created a cinematic animation of Jurassic Park scenes for an AR mobile app using Unity AR/VR MRTK and C#.
- Debugged and enhanced UI for a medical app on Microsoft HoloLens within UnityVR.
- Resized and designed sprites for a surgical practice app, improving visual consistency.
- Utilized GitLab and JIRA for large-scale projects during two-week sprints.

Myers-Holum, Inc.

Remote

Technology Analyst

September 2022 - November 2022

- Analyzed business requirements and implemented NetSuite software solutions using SQL and JavaScript.
- Developed client-facing dashboards and websites, including data visualization for inventory and CRM workflows.
- Managed system configurations, permissions, and user account setup for clients.
- Organized a client's inventory warehouse using Oracle NetSuite and SQL.

Avenda Health

Culver City, California

Software Engineering Intern

January 2022 - April 2022

- Processed MRI scan data for segmentation algorithms in clinical software.
- Built initial sign-up module for Avenda Cloud with JavaScript and CSS.
- Researched machine learning techniques for lesion detection models using Python.
- Practiced documentation and testing aligned with SDLC's best practices.

Projects

Researcher, Engineer

Irvine, California

Game Performance Analysis Using R and Python - <https://rpubs.com/celinem13/kaizodata>

March 2024 - May 2024

- Developed a comprehensive data analysis project using R and the "ggplot2" visualization library.
- Used "plyr" and "dplyr" for data filtering
- Scraped and cleaned structured datasets using Python (BeautifulSoup, requests), storing them in CSV for analysis.
- Built visual reports to communicate patterns, performance summaries, and for analysis.

Education

California Polytechnic University Pomona

Pomona, California

Bachelor of Science in Computer Science

2018-2022

Certifications

Certified NetSuite Expert

Oracle SuiteFoundation