Jonathan Dang

+1(626)759-8847 • dangjona@gmail.com • U.S. Citizen • Los Angeles, California
https://github.com/Jonathan-Dang • https://www.linkedin.com/in/jd-jona-dang

Objective

Aspiring Software Developer that is looking for full-time employment, wanting to diversify experience into IT, Cyber Security, Web Development and other sects of Computer Science.

Experience

Fiscal And Systems Intern   **Los Angeles, CA**
Bureau of Street Services - TFLA   February 2023 – Present
- Update, Review, and Generate 100s of reports by pulling information from the BSS databases by using Crystal Reports and SSRS toolkits.
- Managed the intranet system of the Fiscal department, hosting 1,000+ unique reports.
- Created SQL databases and tables based on current city events which are used to report on multi-million dollar projects.
- Coordinated with IT and other System teams to fix and debug issues with co-worker's computers.

Education

California State University - Los Angeles   Graduated May 2024
Bachelor of Science, **Computer Science**
Awarded Cum Laude Honors

Pasadena City College – Computer Science   Graduated May 2022
Associate in Arts, Business and Technology
Associate in Arts, Natural Sciences

Leadership Experience

Association of Computer Machinery - ACM
Project Officer | Project Manager   December 2022 – May 2023
- Led a group of sixty students in developing portfolio websites using HTML, CSS, and JavaScript.
- Organized bi-weekly sessions that taught Web Development Basics and design philosophies.
- Taught student peers fundamentals of Github and Github Pages.

Skills

[Programming Languages]: C/C++, Python, JAVA, mySQL, mongoDB, MASMx86, HTML/CSS/JavaScript, Node.js
[Software] Crystal Reports 9, Cold Fusion, AWS Cloud Processing, Unity, Matlab, Github, Google Suite
[Microsoft Office]: Word, Excel

Projects

UAV Multi-UAV Path Planning Simulation   **MathLab & Python**
- Developed a simulation involving multiple UAVs to navigate from a starting point to an ending point within a vast simulated landscape.
- Worked with 9 other students over the course of an entire year to create a running product
- Uses Simulink and a plethora of algorithms such as the A* algorithm to properly simulate navigation.

Graphing Calculator   **C++**
- Developed a Windows Based App using SFML that emulates a graphing calculator.
- Maps and plots a user-entered function with the complexity of quadratic and below to the screen.
- Uses self-made Shunting Yard, RPN, Stacks, Queues, and Vectors within the backend of the app.

Cloud to Web Server Pipeline Project   **Python and AWS Cloud Service**
- Uses FLASK python web server infrastructure to send API requests to remote AWS Cloud SQL services.
- Handles up to 100 requests per 30 seconds using AWS Bucket infrastructure.

Discord Bot   **Javascript**
- Handles user prompted requests through set commands.
- Sends REST API requests to Discord servers to query entire servers for online user status' and information.

Distance Vector Routing Protocols Simulation   **Python**
- Implements a robust routing protocol over a network of servers acting as routers.
- Uses TCP standards to send data between routers.