

Danny Vu

SOFTWARE ENGINEER INTERN · COMPUTER SCIENCE MAJOR · UNIVERSITY OF TEXAS AT DALLAS

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Technical Skills

Programming Java · Python · C/C++ · Unix/Linux · Git · Familiar with PHP · JSON

Front-End / Libraries HTML/CSS/JavaScript · ReactJS · AJAX

Back-End / Databases MySQL · phpMyAdmin tool · Firebase · SPRING

Work Experience

A+ Computer Science

Cypress, Texas

SOFTWARE ENGINEER INTERN

Jun. 2019 - Now

- Deployed an online testing IDE sandbox, using LAMP web stack, that allows the user to upload, save, and run Java/Python files.
- Revamped code using PHP and converted MySQLi to PDO (PHP Data Objects) extension to define a consistent interface for accessing a database.
- Utilized AJAX to send and retrieve data from a server asynchronously without interfering with the display/behavior of the existing page.
- Played a key role in the development, improvement, and operation of web-based software.
- Managed hosting environment (AWS), database administration (phpMyAdmin), and application scaling.

RealPage INC.

Richardson, Texas

SOFTWARE QUALITY ENGINEER INTERN

May. 2020 - Aug. 2020

- Implemented test scripts for a SaaS web app using Java.
- Worked closely with web/app development team including project and product manager.
- Conducted regression testing to find valid bugs/issues for high-profile customer-facing applications.
- Collaborated with various Product work teams to participate in the writing of project/test plan documentation.
- Built Java-Maven-Selenium/Selenide Test Automation Framework, Desktop/IOS/Android Test Automation, and Java-Rest-Assured-API.

Projects

Association for Computer Machinery (ACM Projects)

Richardson, Texas

ACADEMIC PROJECT AT THE UNIVERSITY OF TEXAS AT DALLAS

Sept. 2020

- Collaborated in a team of 5, with guidance from an industry mentor and project manager.
- Developed a Web Application, that allows multiple users to share their coding environment with their team through real-time coding collaboration with shared workspace settings.
- Utilized Amazon Web Services (AWS), Google's Firebase, Socket.IO (JavaScript), and Quill API Driven Text Editor.

Trade Bot

Houston, Texas

PERSONAL PROJECT

April 2020

- Developed a test project on Quantopian, used for finance and strategic trading through data analysis, machine learning (Tensorflow), and quantopian trading algorithms tested through Jupyter Notebooks.
- Use the data analysis toolkit Pandas and scientific packages like NumPy to work with data.
- Managed and retrieved stock data from financial web pages with Python.

Arduino Robot Car

Austin, Texas

ACADEMIC PROJECT AT THE UNIVERSITY OF TEXAS AT AUSTIN

July 2019

- Collaborated in a team of 4, with guidance from a professor at the University of Texas at Austin.
- Utilized C++ and electronic circuit concepts to develop a line follower robot car with sensors and LEDs.
- Optimized the time it took for the car to complete a lap by exploring different approaches in our line follower algorithm.
- Placed 2nd out of 16 teams in fastest time in completing a lap around the race track.

Education

The University of Texas at Dallas

Richardson, Texas

B.S. IN COMPUTER SCIENCE

Aug. 2019 - Dec. 2023