DANNY VU

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https://dannykvu.github.io/
dannyvu-
dannykvu

Skills

Experience
Java
Python

Familiar
C++
HTML
CSS
React

Technologies
Spring Boot
Git
Android SDK
Unit Testing

Extra Curriculars
Esports Student Athlete
Basketball
Volleyball

Education

University of Texas at Dallas
Aug. 2019 to May 2023

Bachelor of Science in Computer Science

Related Coursework: Computer Architecture, Discrete Math, Linear Algebra

Employment

RealPage
Summer 2020

Software Quality Engineer Intern

- Monitor every phase of the software development process so as to ensure design quality, making sure that the software adheres to the standards set by RealPage, Inc.

APlus CompSci
Fall 2019, Spring 2020

Test/Packet Editor

- Provide Tests/Packets written in JAVA programming language for AplusCompSci.com
- Topics in these packets include Data Structure Theory, Graph Theory, Generic Collections, Analysis of Algorithms, etc

Projects

Trade Bot
Apr. 2020

- Python, Pandas, Tensorflow
- Python bot used for finance and strategic trading through data analysis and quantopian trading algorithms

Arduino Robot Car
July 2018

- C++, Linux, Arduino
- Used basic programming and electronic circuit concepts to build a robot while exploring each sensor and actuator's capabilities by programming with Arduino to perform automated tasks

Awards

UIL
Dulles High School- 3rd Place (Novice Division) 2015
Clements High School- 8th place (Advance Division) 2016
Mayde Creek High School- 5th Place (Advance Division) 2017

IEEE Software Testing Contest Certificate
The University of Texas at Dallas 2020

Highlighted Student-Athlete
The University of Texas at Dallas Esports Program 2020

Danny Vu

Essay Questions

1. I first got introduced to Computer Science from a friend of mine in highschool who had recommended me to join weekly coding club meetings after school. He had been competing in weekly competitive programming competitions and urged me to compete alongside him. Driven by the desire to compete, I was able to quickly grasp the basic concepts of problem-solving and the syntax of how to code. After building a strong foundation, I then dove straight into University Interscholastic League CS competitions, and it was here that I found myself having a passion to learn and develop different types of programs to fix real world problems. Looking back at my 4 years of high school, I realized that I had gained so much exposure whether it be from creating my own personal projects, studying the different types of algorithms and techniques to approaching a problem or just competing at UIL CS competitions. I found that what I had learned in high school had properly prepared me for the industry of technology, gaining me my first summer internship my freshman year of college. Whether it be meeting new people, reaching out for help or just watching videos on Youtube related to tech and software development, I am extremely grateful to have had several different opportunities to help me grow and advance in the field of CS. To this day, I continue to expose myself to CS at every chance I get by learning and gaining new skills in different areas of the field from front-end to back-end through online materials such as Udemy, LinkedIn Learning, AlgoExpert and my good friend, Google.

2. With 5 years of experience, Java is my strongest programming language in addition to being the main language for my internships at both A+ Computer Science and RealPage, Inc. At A+ Computer Science, a computer science curriculum company that produces practice material for school districts all over the world, my work required me to gain a thorough understanding of Java, including Data Structure Theory, Graph Theory, Generic Collections, Analysis of Algorithms, etc. At RealPage, I was able to refine my coding methods through working alongside Senior Developers who had decades of experience under their belt. In addition, my time there taught me how to work as a part of a team, from not being afraid to ask for help, to properly managing a work-life balance. The skills that I learned from these two internships built upon each other and I am thoroughly convinced that I am ready to enter the workforce with the preparation that I have had thus far.

3. I am Vietnamese-American, and growing up, I had it easy. My parents had already done the heavy-lifting so that I wouldn't have to. Hearing my parents tell me the story of how they escaped poverty and war to live a better life in the US is nothing short of inspiring, every. single. time. Whenever people ask me 'what kind of Asian I am', I am always proud to answer that I am Vietnamese because to be Viet, means to be hard-working. To be Viet, means to be driven. To be Viet, means to strive for self-improvement even if you can't find where it's needed. I strive to make the most of every minute of my day so that I can make parents proud by going above and beyond in every single task I dedicate myself to, from helping my mom at work to cooking food for my family. I hope to one day be able to walk up to my parents and say the words, 'I made it, and I couldn't have done it without you, Mom, Dad.'

4. Classes for Spring 2021:
    - Algorithm Analysis & Data Structures
    - C/C++ Programming in UNIX Environment
    - Software Engineering
    - Organization of Programming Languages
    - Digital Logic and Computer Design

5. Clubs/Organizations I participated in at UTD:
    - Code Burners (https://cs.utdallas.edu/codeburners-16yr-club/)
    - ACM Projects (The Association for Computing Machinery at UTD)
    - UTD Esports (Rocket League Esports Student Athlete) (https://utdesports.com/news/meet-our-highlighted-student-athletes/)
    - Vietnamese Student Association (UTD VSA)
    - More info (https://dannykvu.github.io/)