

DANIEL HUYNH

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EDUCATION

University of Virginia, School of Engineering and Applied Sciences, Charlottesville, VA

August 2021 - May 2025

Bachelor of Science in Computer Science

- GPA: 3.972 / 4.0
- Relevant Coursework: Computer Systems and Architecture, Data Structures and Algorithms, Data Science with R, Discrete Mathematics and Theory, Physics 1 & 2, Intro to Statistical Analysis, Public Policy in Technological Development

SKILLS

- Strong Knowledge in Java and C, Knowledge in Python, SQL, HTML, CSS, R, C++, Assembly
- Software: Eclipse, VS Code, R Studio, MySQL, MATLAB, Autodesk Fusion 360, AutoCAD, Apache Derby, Microsoft Office
- Systems: Windows, MacOS, UNIX, LINUX, Solaris
- Languages: English (Native), Vietnamese (Native), Spanish (Basic)

EXPERIENCE

Executive Board and Developer, Project Code (UVA CIO), Charlottesville, VA

January 2021 - Present

- Developed on Stock Market Bot project, utilizing data scraping and machine learning techniques to train and create models to make predictions based on live stock market data
- Helped manage GitHub for project and assisted in problems with Git due to prior experience with Git

Chief Operating Officer, Marketing Officer, Creation for Prevention Association, Phoenixville, PA

December 2020 - Present

- Managed organization database, finances, contacts for external partners and members of organization
- Led marketing campaign and in charge of Facebook account for national nonprofit fundraiser, donated over 1000 units of PPE and medical supplies across 10 states to hospitals during pandemic

Researcher, PA TSA Data Science Competition, PA

December 2020 - April 2021

- Qualified for national competition, placed 5th in state competition
- Researched and created predictive machine learning models (LDA, QDA, Classification Trees) for diagnosing heart disease, trained from compiled hospital data sets of patient symptoms using R programming language.
- Researched and gave presentation on modern biotechnology solutions (the process of 3D-printing organs) for modern healthcare problems

Internship, Main Line School of Real Estate, Wayne, PA

January 2020 - August 2021

- Led media creation, web scraping, and data collection for online school of real estate
- Collected and stored contact information of clients and members of PA broker association network into database
- Experimented with Java and Apache Derby backend to construct personal database program with a GUI to collect and store contact information in organized and easy-to-access manner

Teacher, Camp Counselor, Orion Communities, Phoenixville, PA

June 2019 - August 2019

- Taught STEM (earth science, circuits, robotics) to local low-income students
- Demonstrated workings of basic motors and taught basic programming of robots

PROJECTS

- Enrollment Application: Designed and developed student enrollment application allowing school administrators to enroll students, search class information to register students, and keep track of student progress and activities. Used Java and JavaFX as the programming language and Apache Derby as the database backend.