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 Organization, Data Structures and Algorithms, Software Development, Data Science with R, Discrete Mathematics and Theory, Physics 1 & 2, Intro to Statistical Analysis, Probability, Linear Algebra

SKILLS

- Strong Knowledge in Java and C, Knowledge in Python, React, JavaScript, 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

Internship, **Information Security Operations Center of UVA,** Charlottesville, VA ***August 2022 - Present***

- Triage risk of and resolve security vulnerability and exploit report tickets sent to the Security Operations Center
- Hunt for and investigate security vulnerabilities within school system using Splunk, using SPL queries to look through DNS/DHCP logs for IP connections to UVA server and email logs for patterns and inconsistencies

Teaching Assistant, **UVA CS 2130: Computer Systems and Organization,** Charlottesville, VA ***August 2022 - Present***

- Led large lab sections of students of around 100 people, and organized and prepared lab assignments and materials
- Taught and answered student questions involving coding in C, computer architecture, computer memory structure and gates, writing Assembly language, command line and uses of the command prompt, using Linux, SSH, and version control using Git
- Graded class exams, projects, code, and assignments

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, implemented with Python and Beautiful Soup.
- 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 presented 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

PROJECTS

- Website Portfolio: https://danielhuynh0.github.io
- Weather Application: Online app written in React, styled with CSS, allowing a user to enter in a location name and see displayed weather data for that location. Uses online APIs to convert from location name to longitude and latitude, and load weather data.
- 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, styled with CSS, and implemented with Apache Derby as the database backend, using SQL queries.
- Online Calculator: Written in JavaScript, with HTML and CSS, and hosted online. Functions as a four-function calculator.
- Online Tic Tac Toe: Written in JavaScript, with HTML and CSS, and hosted online. Plays as a local two player game.

ACHIEVEMENTS

- University of Virginia SEAS Dean's List: Fall 2021, Spring 2022
- National Merit Commended Scholar (Class of 2021)