

Christopher Dobson

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Education

App Academy

Online, Part Time Cohort

CURRICULUM OF STUDY IN FULL STACK DEVELOPMENT

April 2022 – April 2023

- 900 hour, 48 week course concerning all aspects of full-stack development using JavaScript, Python, HTML, and CSS using frameworks and packages including React-Redux, Express, Sequelize, Flask, and others.
- Includes other job and industry relevant experience such as git and Github usage in group projects, data structures and algorithms, and programming best practices

Virginia Tech

Blacksburg, VA

MA IN EDUCATION

August 2016 – May 2018

Pursuant to my objective of teaching physics at the high-school level

Virginia Tech

Blacksburg, VA

BS IN PHYSICS, MINOR MATHEMATICS

August 2013 – May 2017

- My significant coursework includes Quantitative Analysis of Data in Physics, Experimental Modern Physics, Quantum Mechanics, and Computational Physics
- I contributed to the Bell II in Virtual Reality project with ICAT at the Moss Arts Center, a 2018 project exploring VR use in physics education
- I also participated in biomechanics research using the LAMMPS molecular dynamics simulator

Work Experience

Fairfax County Public Schools

McLean, VA

PHYSICS TEACHER

August 2018 – Present

- I teach on-level physics, honors physics, and AP Physics 1 to 11th and 12th grade students.
- During the 2021-2022 school year, 30% of my students earned a 5/5 on the AP exam (compared to 8% globally) and 85.7% earned a 3 or higher (compared to 43.3% globally).

Virginia Tech

Blacksburg, Virginia

GRADUATE TEACHING ASSISTANT

August 2017 - May 2018

- I taught two sessions of an introductory physics lab to freshman and sophomore engineering students.
- I also held six hours of group tutoring sessions weekly for the same students.

Skills

Programming Languages: JS and Python – proficient; Java and C – novice

Frameworks and Packages: Express, React/Redux, Sequelize, Flask

Technical Experience: Linux and Linux command line,

Projects

Greet Sup

JavaScript, Express, Sequelize,

React, Redux

A CLONE OF THE POPULAR WEB APP MEETUP, MEANT TO BUILD AND DEMONSTRATE MY PROFICIENCY IN VARIOUS FULL STACK TOOLS

<https://greet-sup.onrender.com/>