

82 Harvey Rd. Rockville, VA 23146
919.771.9628

JOSHUA TAPP

jct7bm@virginia.edu

github.com/JoshuaTapp
linkedin.com/in/JoshuaTapp

EDUCATION

University of Virginia, School of Engineering & Applied Science, Charlottesville, VA
B.S. Computer Science

August 2020 - December 2022

- GPA: 4.0 / 4.0

John Tyler Community College, Midlothian, VA

August 2018 - June 2020

A.S. Engineering

- GPA: 3.94 / 4.0
- Coursework: Multivariable Calculus, Discrete Mathematics, Differential Equations, Physics II, E.E. Fundamentals I, Digital Logic Design, Software Development Methods

WORK EXPERIENCE

Logistics Specialist, **Amazon**, Richmond, VA

October 2016 - October 2019

- Created daily plan to deliver 200-400k parcels to Amazon customers in state of Virginia, North Carolina, and DC metro
- Ranked top three for cost per parcel (CPP) in NASC network during tenure
- Held lowest cost per parcel record from October '18 – July '19
- Monitored dynamic cube volume and adjusted 100+ delivery routes in a two-hour period to ensure maximum cube volume per route to reduce cost per parcel
- Created a unique algorithm to predict cubic volume eliminating 10 man hours daily

TEACHING EXPERIENCE

Academic Tutor, **John Tyler Community College**

October 2019 - January 2020

- Tutored dozens of students in Calculus I-III, Discrete Math / Proof writing, Programming

RELATED EXPERIENCE

Nand2Tetris Project

June 2020 - July 2020

- Completed the Nand2Tetris project in personal time
- Applied EE/CS knowledge to build a virtual computer from scratch with VHDL, Assembly, and C/C++
- Strengthened debugging skills in both hardware and software
- Use of C and C++ in creation of an assembler, compiler, basic OS, and basic programs.

TECHNICAL SKILLS

- Programming Languages: C++, Java, Python, x86 Assembler, VHDL, Excel (VB), MatLab, Javascript, Verilog
- Extensive use of C/ C++, Assembly, and VHDL to build virtual computer in Nand2Tetris project