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## EDUCATION

**College of William and Mary** – Williamsburg, VA | 2020-2024

- B.S. in Computer Science, Math minor. GPA: 3.6, *cum laude*
- Dean's List: Spring 2022, Fall 2022, Fall 2023, Spring 2024

**Florence University of the Arts** – Florence, Italy | January 2024

**St. Anselm's Abbey High School** – Washington, D.C. | 2016-2020

Honor Roll; National Honor Society; AP Scholar with Distinction; Ranked top 1% Nationally SAT score, Golf team, Cross Country team

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## RELEVANT COURSEWORK

Calculus 1/Calculus 2

Linear Algebra

Foundations of Math

Programming for Data Science

Principles of Programming Language

System Programming

Finite Automata

Introduction to Edge Computing

Ops Research Deterministic Model

Algorithms

Software Development

Computer Organization

Data Structures

Prob & Stats for Scientists

Intro to Machine Learning

Competitive Programming

Network Systems and Design

Science Communication

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## WORK EXPERIENCE

**Tile Worker – R. Bratti Associates** | Summer 2020, 2021, Winter 2021

- Prepared floor tiles for contractors to lay at various D.C. area metro station sites with some of the most notable projects being East Falls Church, West Falls Church, Dunn Loring, Greenbelt.
- All metro projects were completed on time.

**Bagger/Courtesy Clerk** - Giant grocery store | Summer 2019

- Bagged groceries/Carried groceries to the car for the elderly.
- Restocked items.

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## PROGRAMMING LANGUAGE EXPERIENCE AND RELEVANT SKILLS

Python

C++

XML

Y86 Assembly (some experience)

Jupyter Notebook

Java

C

Pascal (some experience)

Haskell (some experience)

Android Development

ReactJS

NodeJS

HTML

Github

Linux

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## VOLUNTEER/OTHER EXPERIENCE

Boy Scouts of America - Eagle Scout | August 2020

Fairfax County Park Authority | 2021

Seabury Resources for the Aging – Volunteer | 2018, 2019, 2020

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## PROJECTS

**Maze Project** - expanded upon an existing code base to create an Android app and automated algorithms for a maze game. Developed extensive unit testing using JUnit to ensure functionality of the app in edge cases.

**Pantry Tracker** - developed a NextJS web app using MUI components that tracks items in a pantry in a Firestore database. Integrated the Reflection70B AI through the OpenRouter API to add a feature to generate recipes based on the items in the pantry.

**Bitcoin Trading Algorithm** - expanded upon an open-source code base to scrape data and process it into a dataset, using machine learning models to predict whether Bitcoin prices will increase or decrease over 1 day, 7 day, and 30 day time intervals.