

WILLIAM MUELLER

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5320 Neville Court, Alexandria, VA 22310

Education

UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA

Expected Graduation: May 2024

B.A. Computer Science:

Cumulative GPA: 3.876/4.00

Skills

Programming Languages

Java
Python
C++

Web Development

JavaScript
HTML
CSS

Other

Git
Github
Blender
Firebase

Work Experience

DECKHAND – Potomac Riverboat Company, Alexandria, VA

May 2021 - Aug 2021

- Secured boats to docks with lines, and cast off lines to enable departure
- Welcomed guests to boats, answered questions, and served food and beverages

CASHIER, FOOD PREP – Highland Park Hurricane Hut, Alexandria, VA

May 2018 - Aug 2018, May 2019 - Aug 2019

- Received, prepared, and served orders for customers
- Operated a cash register, fryer, or grill

Extracurriculars

V.P. OF TECHNOLOGY, TEAM MEMBER – HooHacks, University of Virginia's Annual Hackathon

Sept 2020 - present

- Controlling, updating, and managing multiple HooHacks websites
- Created run of show and managed prizes for Spring 2021 hackathon
- Handling the newsletter and authored newsletter article about embracing limitations in computer science projects

CHAIR – Bishop Ireton's Honor Council

Aug 2019 – May 2020

- Oversaw hearings for reported honor code violations

DIRECTOR, ASSISTANT DIRECTOR, TEAM MEMBER – HackBI, Bishop Ireton's Annual Hackathon

Nov 2017 – Feb 2020

- Supervised \$10,000 budget
- Led team and adult volunteers throughout 24-hour event
- Organized and led weekly team meetings
- Headed sign-in and registration
- Contacted and corresponded with school administration and event sponsors
- Judged final projects
- Created run of show
- Approved prizes and filled out purchase orders

TEAM MEMBER – Bishop Ireton's CyberPatriot Team

Nov 2017 – Feb 2020

- Won 1st place in the Gold Tier division in the 2018-2019 season

Relevant Projects

A* SEARCH ALGORITHM VISUALIZATION

- Researched the A* search algorithm and replicated it in Java
- Implemented a GUI for visualization
- Studied Java's SwingWorker class to utilize background threads

CHESSE VISUALIZATION TOOL

- Designed and hosted a website which can be deployed as a tool to improve a chess player's visual memory
- Integrated JavaScript libraries such as chessboardjs and Bootstrap
- Implemented a Firebase backend database which saves user data