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: 3.859/4.00

Skills

Programming Languages	Web Development	Other
Java	JavaScript	Git
Python	HTML	Github
	CSS	Blender

Work Experience

CASHIER, FOOD PREP – *Highland Park Hurricane Hut*, Alexandria, VA   **May 2018 - Aug 2018, May 2019 - Aug 2019**
- Received and prepared orders for customers
- Manned the cash register, fryer, or grill

Extracurriculars

TEAM MEMBER – HooHacks, University of Virginia's Annual Hackathon   **Sept 2020 - present**
- Helping create the run of show and manage prizes for Spring 2021 hackathon
- Wrote a newsletter 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**
- Managed $10,000 budget
- Led the team and managed adult volunteers throughout the 24-hour event
- Organized and led weekly team meetings
- Headed sign-in and registration
- Contacted and corresponded with the school administration and event sponsors
- Participated in judging the final projects
- Created the run of show
- Approved prizes and filled out purchase orders

TEAM MEMBER – Bishop Ireton's CyberPatriot Team   **Nov 2017 – Feb 2020**
- Solved practice images for the CyberPatriot competition
- 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 wrote it in Java
- Implemented a GUI to visualize the algorithm running
- Studied Java's SwingWorker class to make the program run using background threads

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

RECURSIVE TRUTH TABLE SOLVER
- Wrote a recursive function in JavaScript that solves any inputted truth table
- Built into a larger website that helps students at my high school practice skills used in computer science classes