Brian Howard

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Education:

Wentworth Institute of Technology, Boston, MA   Expected: August 2023

   Bachelor of Science in Computer Science with a Minor in Data Science

   Relevant Coursework: Computer Science 1 &2, Calculus 1 & 2, Data Structures, Algorithms, Network Programming, Fundamentals of Data Science, Databases, Probability & Stats for Engineers, Linear Algebra & Matrix Theory, Machine Learning, Network Administration, Cellular & Molecular Biology

Malden Catholic School for Boys, Malden, MA   May 2018

   Student of the Engineering/Computer-aided design class

   National Honor Society student

Skills:

Programming Languages: Java, Python, SQL, R, HTML

Software: Eclipse, IntelliJ, DataBricks, Jupyter Notebooks (Pandas, SciPy, NumPy), Azure DevOps, PowerShell, PyCharm, VS Studio Code, PhP MyAdmin, MySQL, MATLAB, RStudio, `

Hardware: Arduino, Raspberry Pi

Operating Systems: Windows 10, Mac OS, Linux Ubuntu

Project Management Methodology: Agile, Scrum, Waterfall

Projects:

Arduino breadboard (Group Project)

- Programmed Arduino Breadboard.

Galaga/Space Invaders Computer Science 2 (Group Project)

- Designed and developed an object-oriented Java program along with assembling a functional GUI as well.

Word Search (individual Project)

- Programmed an object-oriented Java application and manufactured a user-friendly GUI.

D.I.Y Flashlight (Individual Project)

- Constructed a hardware project utilizing simple things like cardstock, paper clip, switch, battery, and wire to make a Flashlight.

Creating Virtual Machine (School Assignments)

- In-depth knowledge/experience in creating VM's that have to do with Client & Server.

Configuration/Administration of Cisco Routers & Switches (School Assignments)

- In-depth knowledge/experience in handling and revamping network interfaces

Industry/Work Study Experience:

Charles River Laboratories, Wilmington, MA *Digitalization Co-Op* August 2021 – *May 2022*

- *Worked in a high volume, fast-paced professional environment exercising different project methodologies.*
- *Contributed to automation efforts for digitalization initiatives in CRL*
- *Identify bugs and potential problems within company-specific software programs*
- *Automation of dataset comparison for ETL testing*
- *Python coding to develop a comparison framework*
- ***Coding queries to help compare different data fields and databases***

Wentworth IT Department (DTS), Boston, MA *Hardware/Software Technician Jan 2019 – Present*

- *Navigated/resolved and troubleshot students IT needs*
- *Conducted software configurations and cleanings as well as hardware fixing*
- *Work study job throughout the semester*

Gap, Braintree, MA *Sales Associate November 2017 – February 2018*

- *Maintained the sales floor and inventory upkeep to ensure delivery of a seamless shopping experience*
- *Facilitated customer sales and monetary maintenance with 100% efficacy*

Arc'teryx, Boston, ME *Sales Associate June – August 20*

- *Demonstrated exemplary customer relations skills to enhance customer experience*
- *Maintained a clean and well-organized sales floor*
- *Managed customer relations during high volume periods*

Extracurricular/Volunteering Activities:

Wentworth Men's Lacrosse Team Member August 2018 – Present

National Society of Black Engineers (NSBE) Member November 2018 – Present