Brandon Hillard

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Education

University of Cincinnati, *Cincinnati, Ohio* 5/2024
Bachelor of Science - *Computer Engineering* **GPA 3.79/4.00**
University Honors Program, Dean's List, Cincinnatus Scholar

Springboro High School, *Springboro, Ohio* 5/2019
Honors Diploma, National Honors Society
Engineering PLTW Concentrator **GPA 4.07/4.00**

Experience

Midmark Corporation, *Versailles, Ohio* Fall/2020, Summer/2021
Firmware Engineering Co-op

- *Engineered software and hardware connectivity solutions to collect and analyze large amounts of real time data in the cloud obtained from medical devices.*
- *Lead development on several hardware devices to be used across multiple departments in collecting and analyzing data in the field using microcontrollers and created software programs.*
- *Programmed the User Interface and Display features for next generation medical sterilizers using QML, C++, and Linux OS in collaboration across engineering teams.*
- *Investigated and established processes to optimize and refine user interface design across all QML based projects through experimentation and documented results.*

University of Cincinnati CECH, Cincinnati, Ohio 2/2020 – Present
Student Worker for the Program Director in the Office of the Dean

- *Managed and Collaborated with the university and outside contractors to lead renovations of classrooms and personnel relocations.*
- *Constructed automated solutions to aid in planning of university events and logistical needs.*
- *Planned and guided events put on by the college through collaboration and coordination across the college and regional partners.*

Skills

Software/Programming

- C, C++, C#, Java, Python, Golang, QML, VHDL, Linux, MATLAB, and Labview

Technical and Relevant Skills

- Microsoft Azure, Git, Microsoft office, Multisim, Logisim, Autodesk Inventor Certified User, Wiring, Soldering, Data Analysis, Basic Machine Learning and Adobe Acrobat

Side Projects

- Created python scripts designed for the analysis of National Hockey League statistics to predict future game outcomes and statistical probabilities using machine learning and basic data analysis techniques.

Involvement

Mathematics Instructor – Mathnasium instructor for students k-12 7/2018– 8/2019
Team Member – Robotics Team Programmer and Competitor 9/2019 – 12/2019
Player / Treasurer / Freshman Representative – University of Cincinnati Team Handball Club 9/2019 – Current
Volunteer – Dayton Stealth Youth Hockey Association Skating Instructor Volunteer 10/2017– 2/2020

Available for Co-op Summer of 2022