Brian George Miller Jr.

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EDUCATION

Rutgers The State University of New Jersey　　　　　　　　　　　**New Brunswick, NJ**
B.S. in Electrical and Computer Engineering　　　　　　　　　　　*May 2019*
- GPA: 3.25
- Awards: School of Engineering Dean's List

Rowan College at Gloucester County　　　　　　　　　　　**Sewell, NJ**
Associates in Computer Science　　　　　　　　　　　*Dec. 2015*
- GPA: 3.83
- Awards: Dean's and President's List

EXPERIENCE

Rutgers CPS Lab　　　　　　　　　　　**Piscataway, NJ**
Research Assistant　　　　　　　　　　　*Mar. 2018 – Aug. 2018*
- Built network simulations in NS2, OTcl, and C++
- Ran various simulations to determine energy consumption
- Utilized Matlab to plot the error between nodes transmitting data
- Identified patterns within the error plots, when adjusting variables within the simulation

ICIMS　　　　　　　　　　　**Matawan, NJ**
Desktop Support Intern　　　　　　　　　　　*May 2017 – Dec. 2017*
- Maintained the ticketing system and prioritized workload appropriately
- Imaged machines to be pre-configured and ready for newly hired employees
- Provided technical assistance through troubleshooting various computer issues
- Utilized System Center Configuration Manager (SCCM) to manage the company's machines
- Setup, monitored, and maintained technology throughout conferences/meetings for the company

Majestech LLC　　　　　　　　　　　**Sewell, NJ**
Co-Owner　　　　　　　　　　　*Jun. 2015 – May 2017*
- Allocated time and tasks appropriately to maximize productivity
- Repaired various makes and models of laptops, phones, and tablets
- Maintained positive customer relations and ensured an outstanding satisfactory rate

SKILLS

Languages: C++, C#, SQL, Java, Python, Arduino, Assembly, OTcl
Technologies: Visual Studio, Eclipse, XCode, Matlab, PSpice, MySQL, Microsoft SQL Server
Technical: PC Building, Hardware Installations, Phone/Computer Repair and Troubleshooting

PROJECTS

Stock Fantasy League Game
Python and SQL
- Worked with a team to develop a competitive, yet educational stock trading game
- Focused on the back end of the project, providing functional API calls from our front end
- Responsible for writing many classes/methods that communicated with our Heroku database

EHR Software
C# and SQL
- Setup and connected a database within Microsoft SQL Server
- Implemented CRUD functionality to perform all essential SQL operations
- Designed a filtering system using SQL queries to organize the patient data
- Each patient had a personal table which stored images, such as x-rays, in the database