

Brian George Miller Jr.

Sewell, NJ 08080

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EDUCATION

Rutgers The State University of New Jersey

B.S. in Electrical and Computer Engineering

- GPA: 3.33
- Awards: School of Engineering Dean's List

New Brunswick, NJ

May 2019

Rowan College at Gloucester County

Associates in Computer Science

- GPA: 3.83
- Awards: Dean's and President's List

Sewell, NJ

Dec. 2015

EXPERIENCE

Rutgers CPS Lab

Research Assistant

- 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

Piscataway, NJ

Mar. 2018 – Aug. 2018

ICIMS

Desktop Support Intern

- 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

Holmdel, NJ

May 2017 – Dec. 2017

Majestech LLC

Co-Owner

- 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

Sewell, NJ

Jun. 2015 – May 2017

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