

MIRIAM J. BROWN

CODER

EMAIL: mirij.brown@gmail.com **PHONE:** (908) 334 - 3805 **LOCATION:** Greater NYC/NJ Area

GITHUB: miriam-likes-math

EDUCATION

Rutgers, the State University of New Jersey

BA Mathematics & Computer Science

Focused on algorithms and breadth of mathematical understanding

Sept. 2015 - Jan. 2019

EXPERIENCE

HackRU

Organizer/Mentor

Developed software for Rutgers' biennial hackathon as a member of the R&D team. Helped reinforce and enrich hackers' skills when they ran into roadblocks in their hacks. Particularly, taught Git skills as needed to hackers having difficulty with group project management.

Apr. 2016 - Current

Research on Providing Meaningful Feedback for Autograding of Programming Assignments

Working on a team under Georgiana Haldeman, coded to attempt sentiment analysis on lost points in autograded assignments. This was to see if detecting understanding of subject matter could be automated for particular projects.

Summer
2018

HackHERS

Mentor

Assisted hackers in solving their bugs when needed and walked them through materials to enable them to complete their hacks.

Feb. 2018

ARML Chaperone

Power Round Grader

Volunteered as chaperone for a high school team and as grader for the proof-based Power Round section.

June 2016

SKILLS

COMPUTER SCIENCE

Python

Java

C

Artificial Intelligence

Systems Programming

Software Methodology

MATHEMATICS

Analysis

Algebra

Combinatorics

Complexity Theory

Number Theory

Mathematical Logic

ETC

AINS 24 Insurance Certification

GiMP (hobbyist)

EMPLOYMENT

ValueMomentum, Piscataway, NJ

Technical Analyst

Working with tools of Insurance and Guidewire (Gosu) tech skills to provide technical expertise to insurance agencies.

Apr. 2019 - Current

6 Points Sci-Tech

Counselor

Taught computer science, math, and game development skills to middle school and high school aged children. Additionally, acted as dorm counsellor for groups of 10 campers.

- Used interpersonal, communicational, and instructional skills to enrich campers' knowledge of game design, scripting, Java, Java XML, geometry, and more.

Summer 2017

Yu's Elite, Somerset, NJ

Teacher/Assistant

Taught and assisted in teaching elementary and middle school math students at a summer day camp.

- Developed educational skills by teaching and reinforcing geometry, algebra, and combinatorics understanding, with a focus on contest math

Summer 2015

AWARDS

1st Place Team at NJUMC

Garden State Undergraduate Mathematics Conference (MAA)

Tied for 4th place in individual section of New Jersey Undergraduate Math Conference.

Apr. 2016