

# Kasey L. Maberry

Computer Scientist

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## Education

### New Mexico Institute of Mining and Technology

Socorro, NM

B.S. in Computer Science

August 2013 - Present

- 3.3/4.0 Overall GPA
- 3.5/4.0 Major GPA
- Graduating December 2017

## Skills

**Programming** C, Java, Bash Scripting, Python, PHP, LaTeX, Git, and Assembly (AT & T Syntax, 64 and 32 bit)

**Web** HTML5, CSS, PHP, MySQL, JavaScript, Java Servlets, and SQL\*PLUS

**Network Security** Hands-on experience with: Configuring ARP, NAT, IPSEC, DNSSEC, mitigating ARP spoofing and MITM attacks, DNS attacks, DDoS from TCP, Botnets, BGP Hijacking, cryptography

**Other Subjects** Neural Networks, Networks, Algorithms and Data Structures, Computer Architecture, Automata, Principles of Programming Languages, and Software Engineering

## Projects

### Detecting a cheater in an online First Person Shooter using Neural Networks

See [kmaberry.com](http://kmaberry.com) for more details

- Used both Multi-Layer Perceptron and Learning Vector Quantization to detect cheaters in an online first person shooter game

### Vulcan Tech Forums

See [kmaberry.com](http://kmaberry.com) for more details

- Designed and implemented a mostly working forum website using Java servlets

## Experience

### New Mexico Tech Computer Science Department

Socorro, NM

Grader

January 2015-May 2015

- Graded weekly student assignments, then met with the student to discuss grade, code quality, and to answer any questions regarding the course.
- Graded for the Introduction to Computer Science course and Introduction to Data Structures and Algorithms.

### New Mexico Tech Computer Science Department

Socorro, NM

Tutor

January 2016-May 2016

- Held weekly tutoring sessions for students to attend and receive help with the homework or ask questions.
- Tutored for the Introduction to Object Oriented Programming course(Java).

### Unrelated experience

Estancia, NM

Public works crewmember, YCC crewmember

Summers in 2015-2017

## Honors & Awards

### New Mexico Tech

2013 Presidential Scholarship

Socorro, NM

2014 Honor Roll

Socorro, NM