

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
- Expected to graduate in 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, and MySQL. Currently learning JavaScript and Java Servlets

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.me/projects.php for more details

- Used both Multi-Layer Perceptron and Learning Vector Quantization with 2400 data points from manufactured data.
- Detected aim assist usage, 99% detection rate with no false positives.
- Varying skill levels and still obtained high detection rate.
- The skill levels used were a high skill level player, a medium skill player, a cheating player trying to be discrete to avoid detection, and one player blatantly cheating.

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).

Honors & Awards

New Mexico Tech

2013 Presidential Scholarship

Socorro, NM

2014 Honor Roll

Socorro, NM