**Pierce Mayadag**

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(575) 420-0387

**Education**

New Mexico Tech - Socorro, New Mexico

B.S. in Computer Science & Engineering, Graduating May, 2021 GPA 3.50

Goddard High School – Roswell, New Mexico

Graduated Highest Honors, May 2016 GPA 4.48

**Software Development Experience**

**Junior Software Developer**

Institute for Complex Additive System Analysis (ICASA) – Socorro, NM

May 2017 – August 2019 (*3 summers of full time employment & 3 semesters part time)*

• Vastly expanded the Java API for Google's TensorFlow software & maintained it through transition from version 1.7 to 1.13

• Integrated the expanded TensorFlow API into an visual graph operations software. This made it possible to build, train, and test neural networks via a graphical user interface.

• Tested the effectiveness of neural networks to approximate an optimal control function for Super Mario Bros using raw screen data as input. Network achieved consistent completion of the first level (~90% of the time)

• Designed python scripts for audio pre-processing and deep neural network training as part of a team focused on automated language detection from audio data.

**Leadership & Interpersonal Experience**

**Summer Intern**

The House; Homeless Youth Shelter – Grand Junction, CO

May 2020 - August 2020

**Volunteer Crisis Counselor**

PSI Safe Harbor; Day Shelter for the Homeless – Socorro, NM

November 2019 – May 2020  *(200+ hours*)

**Paid Musician, percussionist**

August 2019 – present