Sanjay Mohan

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Education

University of California San Diego (Expected Graduation: 2020)

- B.S. in Computer Science
- GPA: 3.925
- Relevant Coursework: Differential and Integral Calculus, Intro to Java (APCS), Intro to Computer Science, Linear Algebra, Intro to Discrete Mathematics*, Multivariable Calculus*, Intro to Data Structures*, Neural Networks as Models of the Mind* (* in progress)

Los Gatos High School (Graduated: June 2016)

- National Merit Scholarship Finalist
- LGHS Steve Jobs Award for Computer Science

Work Experience

Research Intern (January 2017)

San Diego Supercomputer Center

- Building deep learning models with Python, TensorFlow, and Jupyter
- Researching applications of deep learning to predictive protein folding

Projects

Handwritten Text Recognition (Dec 2015 – March 2016)

Python (Anaconda Accelerate)

- Developed feedforward neural network to classify handwritten digits input into a laptop trackpad
- Trained on MNIST data supplemented with geometrically standardized user input digits
- Achieved 85% test accuracy on dataset comprised of digits handwritten through trackpad
- Awarded First Prize in Category and ASEI Award at Regional Synopsys Science and Technology Fair

Kaleidoscope (July 2015)

Java

- Implemented a depth-first search solver for tiled puzzle game "Kaleidoscope" with animated GUI

ConWorld (May 2015)

Java

- Worked in team of 3 through an Object Oriented Programming approach to create side-scroller action game utilizing multithreading and key events

Achievements

1st Place – Women In Computing Beginners Programming Competition (November 2016)

- Won competition solving problems in Python through Hackerrank; hosted by UC San Diego Women in Computing, sponsored by Microsoft; competed in team of two against over 100 other teams

Skills

- Experience with Java, Python, TensorFlow, Theano, UNIX, Git