

ANDREW WANG

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EDUCATION

Carnegie Mellon University

B.S. - Computer Science, Statistics & Machine Learning
- SAT: 1580 (780 RW, 800 M)

Graduating May 2024

West Valley College

High School Concurrent Enrollment - Mathematics
- Coursework: Multivariable Calculus, Differential Equations, Linear Algebra

Aug 2019 - Jun 2020

SKILLS

Programming **Web Development** **Data Analysis**

Python, Java, C++, JavaScript
HTML, CSS, Flask
Octave, TensorFlow

EXPERIENCE

Mathematics Instructor - Homestead Academic Center

Sep 2017 - Mar 2020

- Coordinated with other instructors in teaching biweekly math classes to high school students
- Developed detailed lessons on math topics ranging from number theory to differential calculus
- Counseled and created plans to help students achieve their academic goals

PROJECTS

Pathfinding Algorithms

- Visualization of various path finding algorithms within a two dimensional maze
- Algorithms comprise A*, Bidirectional Dijkstra's, BFS, etc
- Minimalistic website allowing users to navigate through a collection of pathfinding algorithms

The Last Mile for E-Commerce

- Research paper exploring potential solutions to the "Last Mile" problem in e-commerce
- Analyzed the efficiencies and environmental impacts of hydrogen fuel cells and EV batteries
- Overseen by Susan Handy: Professor of Environmental Science and Policy at UC Davis

Secure Messaging Platform

- RESTful API which establishes an online messaging platform between two clients
- Implements RSA encryption algorithms to establish secure data transmission

LICENSES AND CERTIFICATIONS

Machine Learning

Introduction to TensorFlow for Machine Learning

Coursera - May 2020

Coursera - Mar 2020