

# ANDREW WANG

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## EDUCATION

### Carnegie Mellon University

B.S. - Computer Science, Statistics & Machine Learning

Graduating May 2024

### West Valley College

High School Concurrent Enrollment - Mathematics

- Coursework: Multi-variable Calculus, Differential Equations, Linear Algebra

Aug 2019 - Jun 2020

## SKILLS

### Programming

Python, Java, C++, JavaScript

### Web Development

HTML, CSS, Flask

### Data Analysis

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

### Secure Messaging Platform

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

## TEST SCORES

SAT I

1580/1600

SAT II - Mathematics

800/800

SAT II - Physics

800/800

## LICENSES AND CERTIFICATIONS

### Machine Learning

Coursera - May 2020

### Introduction to TensorFlow for Machine Learning

Coursera - Mar 2020