

Andrew Wang

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EDUCATION

Carnegie Mellon University

May 2020 - Present

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

- Cumulative GPA: 4.00/4.00
- Relevant Courses: Concepts of Mathematics, Imperative Computation
- Currently Enrolled: Functional Programming, Computer Systems, Statistical Methods

West Valley College

Aug 2019 - Jun 2020

High School Concurrent Enrollment - Mathematics

- Relevant Courses: Multivariable Calculus, Differential Equations, Linear Algebra
- SAT: 1580 (780 RW, 800 M)

SKILLS

Data Analysis Programming Language

NumPy, Pandas, R, Octave
Python, Java, C, JavaScript, MongoDB, Express, React Native, NodeJS, SML
English (fluent), Spanish (intermediate), Mandarin Chinese (intermediate)

EXPERIENCE

Software Developer - ScottyLabs

Sep 2020 - Present

- Create Shuttle API, a program which distributes information regarding the CMU shuttle system
- Deploy a REST API using NodeJS and Express and connect with the Shuttle API front end
- Interface with the andysbuses API and convert the shuttle bus data into practical information
- Update the location of the shuttle, estimated time of arrival, and other features in real time

Memory Lab Research Assistant - Carnegie Mellon University

Sep 2020 - Present

- Test whether asymptotic performance in second language acquisition can be improved by unconscious exposure to the language during Slow Wave Sleep.
- Develop and administer tests to research subjects and collect experimental data
- Analyze research data and compute the d' statistic to quantify foreign-word-discrimination ability
- Overseen by Professor Lynne Reder: Professor of Psychology at Carnegie Mellon University

Summer Extern - AT&T Communications

Jun 2020 - Jul 2020

- Certificate program with a focus on mobile technology, business acumen, and communications
- Become familiar with the applications of machine learning and AI in telecommunications
- Develop interpersonal skills necessary to succeed in diverse, collaborative environments

Research Intern - University of California, Davis

Jul 2018 - Aug 2018

- Research potential solutions to the "Last Mile" problem in e-commerce and package shipping
- Examine and interpret data regarding the efficiencies of hydrogen fuel cells and EV batteries using R
- Analyze the hydrogen fuel cell market to predict the feasibility of hydrogen powered AVs in shipping
- Overseen by Susan Handy: Professor of Environmental Science and Policy at UC Davis

Mathematics Instructor - Homestead Academic Center

Sep 2017 - Mar 2020

- Coordinate with three other instructors in teaching biweekly math classes to high school students
- Develop detailed lessons on math topics ranging from number theory to differential calculus
- Counsel and create plans to help students achieve their academic and educational goals