

Andrew Wang

470-272-6709 | aw632@cornell.edu | <https://www.linkedin.com/in/awang8686/> | Last Updated Oct. 7th, 2020

EDUCATION AND RELEVANT COURSEWORK

Northview High School

High School Diploma, GPA 101/100

Johns Creek, GA

Aug. 2016 – May 2020

- Linear Algebra (MATH 1554, taken at Georgia Tech)
- Multivariable Calculus (MATH 2551, taken at Georgia Tech)

Cornell University

B.A. Urban and Regional Studies and Mathematics

Ithaca, NY

Expected May 2024

- The American City (CRP 1100)
- Prove it! (MATH 3040)
- OOP and Data Structures (CS 2110)

EXPERIENCE

Research Assistant

January 2019 – August 2019

UC Berkeley, Center for Cities and Schools

Berkeley, CA

- Worked with Dr. Jeff Vincent on a project involving analysis of school construction sites and transportation factors for the California State Government
- Developed GIS models to provide spatial analysis of schools built after 2008 in California
- Wrote literature reviews and took data from Trip Generation Manual to build recommendations for school siting and construction
- Wrote Python program to sort and organize data from multiple government agencies

Research Assistant

September 2018 – December 2018

New York University

New York City, New York

- Worked with Professor Zhan Guo on various urban planning and transportation topics
- Wrote grant applications for Prof. Guo on topics of Uber/Lyft and their affect on parking and traffic congestion
- Wrote multiple literature reviews on traffic optimization

Club President, Guide Club

August 2018 – March 2020

Northview High School

Johns Creek, GA

- Provided free math tutoring services to children in underprivileged areas
- Obtained a \$5,000 scholarship for math materials from Oracle Corporation under my tenure as president
- Expanded club membership by 50%

Participant

July 2018 – August 2018

UC Berkeley, embARC Summer Design Academy

Berkeley, CA

- Designed and formulated various pavilions for the Berkeley Aquatic Park, with consideration to the sports taking place in the park
- Re-designed and constructed a street design intervention of South Shattuck Avenue in Berkeley, with a focus on (future) autonomous vehicle transportation capacity and public space
- Used GIS and City of Berkeley GIS Shapefiles to analyze and map the transportation, vegetation, and buildings surrounding South Shattuck Avenue

TECHNICAL SKILLS

Languages: Java, Python

Frameworks and Tools: JUnit, WordPress, Visual Studio, PyCharm, Eclipse, ArcGIS, JShell

OTHER

Languages: Native English and Chinese, Beginner French, Beginner Classical Chinese

Music: Intermediate Pianist and Cellist, Experienced Music Composer

Programs: Microsoft Word, Excel

Miscellaneous: Boy Scout Life Scout, Design, Planning, Leadership