Andrew Wang

(678)-287-6137 | awang350@gatech.edu | awang378.github.io | awang378 | awang378 | US Citizen

Education

Georgia Institute of Technology
Atlanta, GA

Bachelor of Science in Computer Science, GPA: 3.58/4.0
Expected December 2021

- Concentrations: Intelligence & Information Internetworks
- Related coursework: Object-Oriented Programming, Data Structures & Algorithms, Objects & Design, Databases, Data & Visual Analytics, Artificial Intelligence, Computer Organization, Systems & Networks, Design and Analysis of Algorithms, Discrete Math, Applied Combinatorics, Statistics, Multivariable Calculus, Linear Algebra

Experience

StudentSide
Remote

Software Engineer Intern
June 2020 - August 2020

- Working in an edtech startup building an end-to-end platform to help simplify the college search process for high school students by connecting them to college student mentors so they can learn more about their dream schools.
- Developing the website's back end to support user and mentor functionality using PostgreSQL, Express, and Node.js.

Georgia Tech School of Interactive Computing
Atlanta, GA

Undergraduate Student Researcher
May 2019 - August 2019

- Worked under Dr. John Stasko to study common practices and techniques used in information visualization and to explore new emerging data visualization technologies such as Altair and Vega-Lite.

Skills

Languages	Java, Python, SQL, HTML, CSS, JavaScript, PHP, C
Tools and Practices	VSCode, Git, Unix, MySQL, MongoDB, Postman, Jupyter, Agile/Scrum, AWS
Frameworks/Libraries	Node.js, Express, SciPy, Laravel, D3.js, Hadoop

Projects

Estadium-IoPT Vertically Integrated Project
Tools Used: Laravel, macOS, Apache, MySQL, PHP, Postman

- Part of a VIP team creating an *Internet of People and Things* within Bobby Dodd stadium to enhance game day experiences for fans through a mobile app, *Fanplay*.
- Built the backend RESTful API infrastructure by designing MySQL database schemas, creating API routes, and testing HTTP requests for various mini-games and features using the MAMP stack.

COVID-19 Visualizations
https://git.io/JfdWb

Tools Used: Jupyter, Python, Pandas, Matplotlib, Seaborn, Altair

- Performed data collection and cleaning on John Hopkins' global COVID-19 time series data using Pandas within a Jupyter Notebook.
- Created data visualizations depicting trends and comparisons for different countries' impact from the pandemic and practiced using Matplotlib, Seaborn, and Altair.