

Andrew Wang

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Education

Georgia Institute of Technology

Bachelor of Science (B.S.) in Computer Science, GPA: 3.58/4.0

Atlanta, GA

Expected May 2022

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

Experience

Georgia Tech College of Computing

Tutor

Atlanta, GA

August 2020 - Present

- Provide students with one on one weekly tutoring in Data Structures and Algorithms and Discrete Math.

StudentSide

Software Engineer Intern

Long Island, NY

June 2020 - August 2020

- Part of an edtech startup building an end-to-end platform to help simplify the college search process for high school students by connecting them to over 1,000 college student mentors.
- Developed the website's back end to support client-side requests such as user registration, mentor filtering, and appointment booking using PostgreSQL, Express, and Node.js.
- Deployed REST API and automated cron jobs for mentor management to Amazon Web Services Lambda with Serverless.
- Utilized AWS Relational Database Service (RDS) and Simple Storage Service (S3) for database and image storage.

Georgia Tech School of Interactive Computing

Undergraduate Student Researcher

Atlanta, GA

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 namely the declarative grammars of Altair and Vega-Lite.

Skills

Languages Python, Java, SQL, JavaScript, HTML, CSS, C, PHP

Tools/Technologies VSCode, Git, Unix, MySQL, MongoDB, Jupyter, AWS, Agile

Frameworks/Libraries Node.js, Express, Pandas, NumPy, React, D3.js, Laravel

Projects

Estadium-IoPT Vertically Integrated Project

GT Enterprise Repo

Laravel, Apache, MySQL, PHP, Postman

- Member 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 IOS app, *Fanplay*.
- Built the backend RESTful API infrastructure by designing MySQL database schemas, implementing API endpoints, authenticating routes, and testing HTTP requests for various mini-games and GPS features using the MAMP stack and MVC.

Boba Finder

<https://git.io/JJETf>

React, JavaScript, Bootstrap, Ant-Design

- Created a web application with React to find the nearest bubble tea locations to a user's surrounding area.
- Integrated Google Maps Platform through its Map Javascript, Destination, and Places API to fetch data and render rating, hours, picture, location, and contact information to the user.
- Designed a responsive and minimalistic user interface and hosted front-end site with Netlify.

COVID-19 Visualizations

<https://git.io/JfdWb>

Jupyter, Python, Pandas, Matplotlib, Seaborn, Altair

- Performed data collection, cleaning, and visualization on John Hopkins' global COVID-19 time series data within a Jupyter Notebook to depict comparative trends and provide visual analysis over the pandemic's global effect.