

Andrew Wang

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

B.S. and M.S. in Computer Science, GPA: 3.65/4.0

Expected Dec. 2022

- **Concentrations:** Intelligence & Information Internetworks
- **Coursework:** Data Structures & Algorithms, Object-Oriented Design, Databases, Computer Systems & Networks, Data & Visual Analytics, Machine Learning, Artificial Intelligence, Information Security

EXPERIENCE

Incoming Software Engineer Intern

June 2021 - Aug. 2021

Capital One

Richmond, VA

Research Assistant

Jan. 2021 – May 2021

Computational Data Lab for Web and Society

Atlanta, GA

- Creating a recommender systems benchmark platform supervised by Dr. Srijan Kumar to load and evaluate attacked datasets to measure robustness of RecSys models and display to a leaderboard.

Junior Developer

Aug. 2020 – Present

Bits of Good

Atlanta, GA

- Building the backend API of a mobile app for Umi Feeds, a local Atlanta food rescue non-profit, using TypeScript, Express, Auth0, and MongoDB to process data for food donations and pickup in an Agile environment.

Tutor

Aug. 2020 – Dec. 2020

Georgia Tech College of Computing

Atlanta, GA

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

Software Engineer Intern

June 2020 – Aug. 2020

StudentSide

Long Island, NY

- Part of an edtech startup building an end-to-end service to help simplify the college search process for high school students by connecting them to over 1,000 college student mentors.
- Developed the MVP 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 to AWS Lambda with Serverless and utilized AWS RDS and S3 for data storage.

PROJECTS

Estadium-IoPT Vertically Integrated Project | *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 database schemas, implementing API endpoints, authenticating routes, and testing HTTP requests for various mini-games and GPS features using MVC.

Boba Finder | *React, JavaScript, Bootstrap, Ant-Design*

- Created a web application 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 | *Jupyter, Python, Pandas, Matplotlib, Seaborn, Altair*

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

SKILLS

Languages: Python, JavaScript, Java, SQL, HTML/CSS, C

Developer Tools: VSCode, Git, Unix, MySQL, MongoDB, Jupyter, AWS

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