Andy Wang

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https://andyjwang19.github.io/PersonalSite

EDUCATION

Columbia University   New York, NY
BA in Computer Science and Anthropology — GPA: 3.7/4.0   Expected May 2024
Relevant Coursework: Analysis of Algorithms, Databases (MongoDB), Data Structures (Java), Adv. Programming (C), Computer Science Theory, User Interface Design, Modern Algebra, Computational Linear Algebra, Multivariable Calculus.

WORK EXPERIENCE

Shade   Ann Arbor, MI
Software Intern   July 2023 − Sept. 2023
- Developed four full-stack features that improved the clarity of user experience, cleaned redundant processing, and drove conversion to paying customers.
- Worked in a rapid startup development cycle, implementing UX/UI designs and tech/product specs into code following best practices and company code standards.

The Vendry   Brooklyn, NY
Software Intern   June 2022 − Jan. 2023
- Built a system to create, assign, and search venues by awards they have won, allowing users to better assess their options.
- Managed and developed the full-stack of the feature, including storing data in seven MySQL tables, writing KnexJS requests to a REST API backend, and interfacing with the user through Typescript, React JS, and HTML/CSS.
- Fixed over 50 bugs, using NPM, AWS, Postman deploy, and Express JS while working in an agile environment.

IBM Red Hat Software   Raleigh, NC
Full Stack Data Analyst Intern   May 2021 − August 2021
- Automated the user-data analysis process for the Redhat ACM product by connecting the data emissions with our Python backend, and presenting the graphs on a Streamlit website.
- Provided data-driven guidance for decisions affecting 1k+ corporate customers, saving 5 hours of weekly work for Vice Presidents and Distinguished Engineers.
- Stored the data using a SQL cache, speeding up data retrieval by over 500%.
- Deployed in the Cloud using a Kubernetes Cluster, and maintained the health of the service using Grafana Dashboard.

PROJECTS

Freelance Website Designer and Developer for Artists
- Increased engagement with artists' Instagram pages by 40%, growing sales and readership.
- Conducted interviews with clients to discover pain points and needs, discussed designs that would capture their personality and work, and created visually-appealing interfaces to solidify their online presence, capturing traffic from search engines.

Personal Website
- Iterated several design mocks to represent myself and encapsulate my portfolios.
- Built and deployed a dynamic multi-page website using React, Typescript, Tailwind, and React Router.
- Connected a backend with several API routes built with NodeJS and ExpressJS, hosted on AWS EC2, using HTTPS.

HotSpot
- Built an iOS/Android app that collects restaurant/venue recommendations from friends and displays them in map, sorted based on the user's history of liking each friends' recommendations.
- Conducted user interviews and iterated through several designs on Figma to find an optimal solution and frontend layout.

SKILLS AND INTERESTS

Programming: Typscript, React JS, Python, Java, C++, Tailwind, MySQL, Docker/Kubernetes, AWS Amplify, EC2, DNS Route 53, Git/Github, Axios, CICD, Travis CI, Quay.io, Electron, NodeJS, ExpressJS, React Native, MapView, Expo SDK, Javascript, npm, react-router-dom, REST API, Postman, HTTP/HTTPS, HTML/CSS
Other Skills: Scrum/Agile, LaTeX, Adobe Illustrator/Photoshop/InDesign, Video Editing, Music Production
Interests: Club Volleyball, Columbia Bartending Agency, Live Code DJing using Tidal Cycles, Graphic Design for RATROCK magazine, Cooking for Baci Supper Club, FM Radio Hosting on WKCR, Oil Painting