

Ivan Wang

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EDUCATION

South Brunswick High School

Class of 2021

Courses: Computer Science 1, AP Computer Science, Android Development, Data Science, VR
GPA: 4.52

Rutgers University

Class of 2025

WORK EXPERIENCE

Bloomberg, Dayton, NJ (Remote)

June 2021 - August 2021

Software Engineer Intern

- Designed and built a user interface and API to improve the speed and efficiency of scheduling server maintenances
- Implemented a pre-commit hook to automatically check the validity of the data used
- Utilized Python and FastAPI for a more efficient workflow

Ansari Math, Berkeley, CA (Remote)

July 2020 - October 2020

Full-Stack Developer

- Created the infrastructure for hundreds of tutors and students to interact and book tutoring lessons
- Integrated AWS backend including API Gateway, DynamoDB S3 Bucket, and SNS with React frontend
- Set up user registration and login using Amplify and Cognito Pool
- Implemented all functionality on frontend including routing, dashboard, settings, etc.

SKILLS

Programming Languages: HTML, CSS, Javascript/Typescript, Go, Java

Frameworks & Tools: React, Redux, Next.js, Node.js, Express, PostgreSQL, MongoDB, Firebase, GraphQL, Socket.io, TailwindCSS, Git

PROJECTS

Roadmap: React, Typescript, Next.js, Go, GraphQL, PostgreSQL, TailwindCSS

- Developed a web app with Next.js and Go for creating and sharing roadmaps
- Built a backend in Go following clean architecture for better scalability
- Implemented integration testing to ensure the accuracy and robustness of the backend
- Created frontend with Next.js utilizing server-side rendering
- Designed an API with GraphQL for more flexible endpoints and client-side caching using Apollo
- Source code: github.com/ivanwang123/roadmap

Flow: React, Typescript, Node.js, Express, Firebase, Socket.io, WebTorrent

- Created a web app for peer-to-peer file sharing using WebTorrent
- Utilized web sockets for faster, bi-directional communication between frontend and backend
- Persists user and file data between sessions using Firebase
- Source code: github.com/ivanwang123/flow

Social Media Platform: React, Redux, Node.js, Express, MongoDB

- Proof-of-concept social media platform that lets users post updates about their side projects
- Implemented JWT authentication, image uploading, user follows, and a content search algorithm
- Source code: github.com/ivanwang123/social-media-v1