

Jaden Wong

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Education

Stony Brook University – Stony Brook, NY
Bachelor of Science in Computer Science | Cum Laude

Aug 2020 – May 2024
GPA: 3.63/4.0

Technical Skills

Languages: Javascript, Typescript, HTML/CSS, Java, Python, C, PHP, Mips Assembly, NoSQL, SQL

Frontend: Next.js, React.js, Angular, TailwindCSS, HTML/CSS, SCSS

Backend: Node.js, Express.js, PostgreSQL, MongoDB, Prisma, TanStack Query, Apache, Nginx

Software & Tools: Git, Docker, AWS, Microsoft Office, Slack, Windows, Linux, Ubuntu, Figma, Postman, Jupyter Notebook

Certifications: AWS Certified Solutions Architect – Associate

Experience

Develop For Good

May 2024 – Aug 2024

Software Engineer Intern | Next.js, TypeScript, Prisma, MySQL, NextAuth, TailwindCSS, tRPC, Zod

New York City

- Developed Human Rights First Litigation Tracker, a public-facing site that acts as a centralized database for all cases against extremist actors/groups for a non-profit international human rights organization.
- Utilized T3 Stack to implement advanced filtering, regional mapping features, robust case management, and maintained branding consistency.
- Architected scalable backend services using tRPC API, optimized Prisma queries for MySQL, and implemented error-handling, retry mechanisms, and data validation with Zod.
- Designed an interactive web page with Next.js and TailwindCSS, ensuring a responsive and user-friendly interface.
- Collaborated closely with cross-functional teams to gather requirements, troubleshoot issues, and refine the application based on feedback.

NYC Department for the Aging

Jul 2023 – Aug 2023

Special Initiatives Unit Intern

New York City

- Spearheaded the successful distribution of 40,000 coupon booklets worth over \$500,000 across 400 older adult center sites throughout NYC, enhancing senior citizens' access to essential services and resources.
- Designed and implemented a data-driven approach that integrated Python, NumPy, Folium, and Geopy to assess coupon distribution, impacting over 2,000 elderly beneficiaries and streamlining outreach efforts for future campaigns.

Spotify

Jun 2022 – Aug 2022

Network Operations Intern

New York City

- Migrated and renewed 60+ IT Network Operation articles from Confluence to Backstage using GitHub Flavored Markdown, MkDocs, and GitHub, improving accessibility and efficiency for the IT team at Spotify.
- Updated and added device documentation on Netbox to be used for troubleshooting 20+ offices internationally, reducing troubleshooting time by 20% and improving network stability.

Projects

Paradox Assess | *AWS Textract, AWS Bedrock, AWS API Gateway, AWS Lambda, AWS S3, Angular, Angular Material*

- Architected a dynamic quiz-generation platform that transforms documents into customized assessments using AWS AI services, supporting diverse formats (MCQ, open-ended) and cognitive levels (recall, analysis, scenario-based) with 95% accuracy in content relevance.
- Engineered a scalable serverless backend with AWS Lambda and API Gateway enabling real-time processing and low latency.
- Crafted an intuitive Angular front-end with Angular Material to provide a seamless and engaging quiz-taking experience.

Map Navigation Tool | *Ubuntu, Apache2, Ansible, Memcache, Nodemailer, React.js, Node.js, Express.js, Docker, PostGIS, OSM2PSQL, PostgreSQL, k6, MongoDB, UpCloud*

- Led a team of three developers to create an interactive map viewer, delivering map tiles using open source GIS tool, ability to search by named objects (e.g. address, street name, town name, coordinates), and request routes.
- Leveraged Docker and Ansible to containerize and deploy microservices to a fleet of virtual machines, capable of 16 requests per second, achieving 99% response times within 40ms.

GeoWizard | *Express.js, React.js, Node.js, Cypress, Jest, React Leaflet, TailWindCSS, MongoDB, Heroku, Figma*

- Spearheaded the development of a web application, "GeoWizard," designed to cater to map enthusiasts by providing a collaborative platform for creating, sharing, and editing maps based on real-world data with a team of four developers.
- Developed and integrated five distinct map editing functionalities, seamless import/export of maps, user authentication, community interactions, and keyword-based question search.

Leadership & Affiliations

Kendo Club – Secretary | Rank – Nikyu

Mar 2023 – May 2024

Animated Perspectives – Secretary

Apr 2022 – May 2023