

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

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

Backend: Node.js, Express.js, Prisma, AWS Lambda, TanStack Query, Apache, Nginx

Database: NoSQL, SQL, PostgreSQL, MongoDB, MySQL, DynamoDB

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, Prisma, MySQL, NextAuth, TailwindCSS, tRPC, Zod, Vercel

New York City

- Developed Human Rights First Litigation Tracker, a public-facing site that acts as a centralized database for 1,000+ case records 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, reducing data entry errors by 99%.
- Designed an interactive web page with Next.js and TailwindCSS, improving page load speed by 40% and increasing user engagement by 25% through a responsive and intuitive interface.
- Collaborated with cross-functional teams to gather requirements and refine the application, reducing development cycle time by 15% and improving stakeholder satisfaction by 20% through iterative feedback loops.

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, Bedrock, API Gateway, Lambda, Step Functions, DynamoDB, EventBridge, S3, IAM), Angular, Angular Material*

- Designed a quiz-generation platform leveraging AWS AI services to convert documents into tailored assessments (MCQ, open-ended) with 95% accuracy in content relevance, supporting varied cognitive levels (recall, analysis, scenario-based).
- Engineered a scalable, event-driven and serverless backend with AWS Lambda, API Gateway, and Step Functions, enabling real-time assessment processing with a latency of under 10000ms.
- 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, and reducing deployment time by 50%.

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