

Stanley Chin

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Education

Western Governors University
Bachelor of Science in Computer Science

Jan 2024
Millcreek, UT

Stony Brook University
Bachelor of Science in Applied Math and Statistics

Aug 2018
Stony Brook, NY

Experience

NYC Department of Environmental Protection
Software Developer

Mar 2019 – Feb 2023
Queens, NY

- Delivered multiple applications throughout the software development lifecycle using Angular, .NET, SQL Server, and IIS, improving the efficiency of internal processes.
- Developed an application for NYC's waste water treatment plants to streamline their biosolid removal process by automating contractor emails, reducing the process time by 60%.
- Led the development of a progressive web application for recording harbor water quality metrics, reducing human error by using inline form validation.
- Designed and implemented an application to record the schedules of marine vessels and leveraging the data to automate the generation of multiple reports.
- Migrated a legacy Visual Basic report application to current technology stack, improving report generation time by using optimized SQL queries.
- Optimized project PowerShell deployment script by ignoring redundant and static files, decreasing subsequent deployment times by up to 75%.
- Developed and maintained a custom .NET template, reducing project set up time and increasing team productivity.
- Created CI/CD pipelines using Azure pipelines to automate testing processes, reducing bugs in staging and production environments.
- Adhered to the Scrum framework, as part of the development team, to manage tasks and solve problems collaboratively.

Projects

Book Recommender System | *JupyterLab, scikit-learn, Angular, Flask, Azure App Service*

- Performed data analysis and preprocessing in a JupyterLab environment on over 1 million rows of book rating data.
- Developed a machine learning model using scikit-learn's unsupervised nearest neighbor learning method measured with cosine similarity.
- Deployed an Angular front-end and Flask API back-end using Azure App Service.

Real-time Chat App | *Angular, Go, Auth0, Docker*

- Developed a real-time chat application using the Gorilla WebSocket package for continuous client and server communication.
- Implemented authentication with Auth0 utilizing refresh tokens, allowing users to remain logged in after refreshing or closing the application.
- Containerized using Docker Compose, enabling control of all services with a single command.

Technical Skills

Languages: HTML, CSS, SQL, TypeScript, JavaScript, C#, Java, Python, Go
Technologies: Angular, .NET, Flask, JupyterLab, Git, Next.js, React
Developer Tools: VS Code, Azure DevOps, GitHub, Docker, Postman

Certifications

Professional Scrum Master I: Issued by Scrum.org
Linux Essentials: Issued by Linux Professional Institute