Stephen Wang

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EDUCATION

UNIVERSITY OF WATERLOO
Bachelor of Computer Science | Sept 2020 – May 2025

SKILLS

Languages: Java, JavaScript, C, Python, HTML/CSS, C#, Bash, SQL, Racket

Technologies: Vue, MongoDB, React, Node, Express, Bootstrap, Material-UI, Django, jQuery, Azure

WORK EXPERIENCE

Junior Software Developer
FarmLink Solutions | Jan 2022 – April 2022

- Wrote and revamped tests for new components, endpoints and user flows by leveraging **Django**, **SQL**, **Vue.js**, **FusionCharts**, and **leaflet.js**.
- Optimized SQL calls in database of over 1 million grain prices, **shortening retrieval times by 80%.**
- Collaborated with a scrum team of 7+ developers following **Agile methodologies**.

Web Developer
Explorer Hop | May 2021 – August 2021

- Worked extensively with **Django**, **JS**, **jQuery**, **SQL**, and **HTML** in **PyCharm** to build **30+** client-requested features including achievements, leaderboards, and a trading system between users.
- Optimized SQL calls in database of over 1 million grain prices, **shortening retrieval times by 80%.**
- Collaborated with a scrum team of 7+ developers following **Agile methodologies**.

PROJECTS

BudgetMonkey   github.com/ChickanWang/BudgetMonkey

- **MERN** web app made to help track and categorize your monthly spending, with 40+ active users.
- Frontend was built using **React**, **Bootstrap**, and **Material-UI,** with 5+ dynamic webpages.
- Backend was built using **Node** and **Express**.
- Data was stored in **MongoDB**, user data was modelled using **Mongoose**, and passwords were secured with **bcryptJS**.

ProfitProphet   github.com/ChickanWang/ProfitProphet

- Web app that uses ML to predict short-term stock prices, submitted to Hack the North 2021.
- Yahoo finance, news comments, **Azure Machine Learning Pipelines**, and **Azure Cognitive Services** were used to train the model with a **60-70% success rate**.
- Frontend and backend were built with **React**, **Bootstrap**, and **Flask**.