

Stephen Wang

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EDUCATION

UNIVERSITY OF WATERLOO

Sept 2020 – May 2025

Bachelor of Computer Science

Cumulative GPA: 3.8

SKILLS

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

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

WORK EXPERIENCE

Junior Software Developer

Jan 2022 – April 2022

FarmLink Solutions

- 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

May 2021 – August 2021

Explorer Hop

- 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.
- Refactored both the frontend and backend code with **OOP principles** to increase code reusability.
- Patched **20+ bugs** and worked closely with QA Engineers to rigorously test written code.

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**.