

# AMY WANG

## 4A Management Engineering Student

@a84wang@uwaterloo.ca

☎ (416) 828 6777

🐙 GitHub

🌐 LinkedIn

</> Portfolio

### SKILLS SUMMARY

**Expertise:** Coding for production, teamwork in a remote/non-remote setting, translating Figma designs to fully realized prototypes, experience working in different industries and sizes of firms ranging from financial firms to technology firms and from start-ups to established businesses, most adept in frontend work while familiarized and practiced in backend code

**Languages:** JavaScript, Python, C#, Java, SQL, GraphQL, PostgreSQL

**Frameworks:** REST API, React, Redux, HTML/CSS, Flask, Node, Next.js, Gatsby.js, Material UI, Emotion.js, Knex.js

**Tools & Technologies:** VSCode, Git, npm, Storybook.js, Jira, Scrum, Docker, Swagger, Heroku, NLP, Splunk

### EXPERIENCE

#### Software Engineer

CodeGem

📅 May 2020 – Present

- Brought company to MVP for initial seed investment, then towards alpha for pilots
- Took ownership of a core feature seeing it through from start to a working product and continued to iterate on it
- Built a React chrome extension based off Figma designs by creating custom styled components paired with a REST API to access mood surveys while fetching a presigned URL for an S3 bucket to upload the page's GUID [Node, Knex, AWS]
- Implemented Redux, React Hooks, and Context API to manage application's state to improve prop-drilling occurring
- Created company's static landing page website with Material-UI and Google Analytics [Gatsby]
- Built out an extensive design system of reusable React components using Atomic Design principles [Storybook]
- Implemented a calculated metric querying infrastructure using an ORM through consolidating insights from GitHub [Cube.js]
- Built a dashboard to display an array of insightful data visualizations including a network diagram, chord diagram, and an interactive analytics table with drilldowns, filtering, and sorting [d3, React]
- Actively contributed creative ideas or input which became key features or positively changed the direction of the product

#### Co-op Developer

InteleX Technologies, Inc

📅 September 2019 – December 2019

- Improved performance of web application rendering from network to UI, by over 30% [C#, Chrome Developer Tools]
- Worked with VS debugging tools and create unit tests and automation scripts to trace and prevent application bugs [C#]
- Implemented and presented a strategy to log metrics for a messaging queue within application [NewRelic]

#### Architecture Engineer

Fidelity Investments Canada

📅 Jan 2019 – April 2019

- Implemented the log parsing tool which collects metrics and visually displays analyzed information in a dashboard [MEAN]
- Drafted and presented a technical design document for a log tool which translates logs to a human readable format

#### Software Engineering Intern

Morningstar, Inc

📅 May 2018 – August 2018

- Designed, developed, and demoed a QA tool to measure performance of APIs and visually display them in graphs [VBA]
- Created a desktop tool for rendering API requests while showcasing newer available technologies [Electron, NodeJS]
- Created test cases for regression testing and built queries with Splunk's SPL to visually display relevant log statistics

### PROJECTS

#### Personal Website

📅 April 2021 – May 2021

- Imagined and developed a static personal portfolio site to showcase significant projects and experiences [React, Next.js]
- Setup GitHub action to auto deploy static site on AWS S3 and routed to custom domain from CloudFront  
<https://www.amywangg.com/>

#### Oink

📅 September 2020 – December 2020

- Created a web app paired with a chrome extension and a backend which tracks budgeting [React, Flask]
- Developed a chrome extension which sends purchase data scraped from a user's Amazon shopping cart to a backend where data is stored then later displayed in an analytics dashboard to be compared with their set monthly budget  
<https://oink-dashboard.herokuapp.com> , <https://github.com/amywangg/oink-extension>

#### Resumate

📅 January 2020 – April 2020

- Created a user-friendly interface for hiring managers to choose, view, and intuitively rank applications and an interface for applicants to apply with their resumes [Flask]
- Designed and implemented a full stack resume and job description parsing system to aid hiring managers, using an NLP library, a skill matching algorithm, REST API for CRUD operations, Google Drive API, and Google authentication  
[https://youtu.be/9P\\_0iDiAV3A](https://youtu.be/9P_0iDiAV3A)