

AMY TAI

Management Engineering 2022

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EDUCATION

4.0 GPA, B.A.Sc. in Management Engineering, University of Waterloo

Sept 2017 – Apr 2022

- Awarded First in Class Scholarship, EngSoc Leadership Excellence Award, President's Scholarship of Distinction.

AWARDS

PD5 Project Management Online Course: Received top mark out of 1,240 students.

Infineon Smart Object Competition: Placed 1st out of 8 teams. Competitors were selected from 376 applications.

BEST Smart Technology Course: Earned 98% course mark due to Harvard Case Competition performance.

Waterloo Consulting Competition: Ranked 2nd out of 10 university teams in 6-hour long competition.

WORK EXPERIENCES

Software Engineer Intern, Honeywell

Sept 2019 – Dec 2019

- Constructed a real-time fleet tracking web app that was demoed to 11,000 companies at the largest aviation conference in the world by leveraging a tech stack that included React, Redux, TypeScript, Node.js, Bamboo, Jest, Enzyme and Bitbucket.
- Utilized JMeter to debug network load balancing issues and implemented multithreaded API polling using Redux-Saga.
- Experienced software development life cycle including design, development, test, and delivery of the product through reviewing user stories, building web components and node microservices, and participating in live demos.

Co-President, Waterloo Entrepreneurship Society

Apr 2019 – Aug 2019

- Managed over \$1,500 in funding and a team of 30 undergraduate students to execute a 6-hour start-up hackathon by collaborating with the executive team and strengthening partnerships with external entrepreneurial Waterloo organizations.
- Executed on 6 major projects that included a platform connecting students with available volunteer work at start-ups through inspiring the club's vision to 5 different functional teams working both remotely and on campus.

Chartered Professional Accountant Intern, PepsiCo Foods Canada

Jan 2019 – Apr 2019

- Nominated by Senior Director and Corporate Controller for Coop Student of the Year based on the successful digitization of 3 major business functions from manual processes to automated workflows using Visual Basic and SharePoint.
- Analyzed over 7 million kilograms of inventory fluctuations and saved over 120 hours per year by identifying system gaps through user interviews, creating user requirements with senior directors and creating computerized dashboards.

Freelance Software Consultant, Privacy Horizon

Apr 2018 – Sept 2018

- Constructed an automated validation system in under 4 months for the largest healthcare compliance service provider for medium-sized companies by conducting user interviews and identifying customer and investor requirements.

PROJECTS

Hotel Booking and Retrieval System

- Implemented a web application with essential hotel booking features in under 2 months by collecting user requirements and collaborating with a team of 3 using technologies including MySQL database and PHP.

Team Delegation and Project Tracking Platform

- Developed a planning tool to streamline task delegation and track project progress in under 3 months with a team of 6 people by conducting user interviews with university students and developing the top 5 priority requirements.

ADDITIONAL INFORMATION

Technical Skills: Java, SQL, JavaScript, Visual Basic, Dart, Flutter, Sass, HTML5, Python (some), PHP (some)

Online Courses: Data Science & Machine Learning Bootcamp (in progress), Flutter Bootcamp with Dart (finished)