# AMY TAI

Management Engineering 2022

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## SKILL SUMMARY

| Object Oriented Programming | Data Structures and Algorithms | Bootstrap | JavaScript | Java | Git |
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| Database | Eclipse | Visual Studio | Smart Technology | Visual Basic | HTML | CSS | R |
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## WORK EXPERIENCES

**Chartered Professional Accountant Intern,** PepsiCo Foods Canada          May 2018 – Aug 2019, Jan 2019 – Apr 2019

- Nominated for Coop Student of the Year based on successful implementation of over 10 major projects, ability to quickly grasp complex concepts and indomitable drive to perform.
- Documented and successfully transitioned 3 accounting functions from hard drives to online SharePoint sites with 60+ users that effectively communicated the critical findings of important reports in visual and simple-to-use dashboards.
- Developed effective models to analyze inventory fluctuations of over 7 million kilograms under tight time constraints that reengineered complex processes resulting in time savings of at least 10 hours every month.

**Vice President of Operations,** UWaterloo Entrepreneurship Society          Sept 2018 – Apr 2019

- Reinvented the external engagement through establishing SMART goals supported by 6 operation coordinators hired by me.
- Ran 8 strategic and targeted entrepreneurial events with attendees from Laurier and across all 6 of Waterloo's departments.

**Software Consultant,** Privacy Horizon          Apr 2018 – Sept 2018

- Built an MVP that streamlined and digitally automated their current processes in collaboration with senior company executives to effectively scale the start-up into additional organizations.
- Spearheaded the collection of user data to revamp the program that generated privacy law compliance reports and continuously iterated the program based on feedback and user needs.

## PROJECTS

**Smart Mug,** Technische Universität Graz          Feb 2019

- Developed a smart object using a self-created antenna, an Arduino board, and Python that stored user beverage preferences in a smart card in less than 6 hours with a team of international students.
- Awarded 1st Place in Smart Object Competition judged by Infineon senior executives.

**Group Project Planning Tool,** University of Waterloo          Sept 2017 – Dec 2017

- Developed a platform using Visual Basic with a team of 6 students to assist future students with the planning and execution of group work to increase the overall productivity of team meetings and to increase effective team communication.
- Highest mark of 96% in the 90-student class.

## EDUCATION

**Candidate for B.A.Sc. in Management Engineering,** University of Waterloo          Sept 2017 – Present

- Academic Achievements: 4.0 cumulative GPA, First in Class Scholarship, President's Scholarship of Distinction
- Extracurricular and Volunteer Scholarships: Goulet Engineering Scholarship, EngSoc Leadership Excellence 1st Year

**Smart Technology Best Course,** Technische Universität Graz          Feb 2019

- Academic Topics: Robotics and Smart Factory, Information Security, Internet of Things, Smart Cards, Digitalization
- Academic Grade: 98% composed of the Toyota Production System case study and the Smart Object competition

## INTERESTS

Baking Banana Bread Muffins, Reading, Playing Guitar, Mentoring for Women in Engineering, Solving Puzzles, Swimming