

AMY TAI

Management Engineering 2022

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SKILL SUMMARY

Object-oriented Programming	Data Structures and Algorithms	Bootstrap	JavaScript	Java	Git		
Databases	Eclipse	Visual Studio	Smart Technology	Visual Basic	HTML	CSS	XML

WORK EXPERIENCES

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

- Nominated for Co-op 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 120+ hours each year.

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

- Reinvented the external engagement through establishing SMART goals supported by a recruited team of six coordinators.
- Ran 8 strategic and targeted entrepreneurial events with attendees from Laurier and across all 6 of Waterloo's faculties.

Software Consultant, Privacy Horizon Apr 2018 – Sept 2018

- Built a minimum viable product that streamlined and digitally automated their current processes in collaboration with senior company executives to effectively scale the start-up into additional organizations in under 6 months.
- 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 created antenna, an Arduino board, and Python which 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.

20 Questions, University of Waterloo Nov 2018

- Received mark of 100% for the implementation of a 20 Questions game utilizing trees, nodes, recursion, private classes, text files and $x = \text{change}(x)$ concepts that constantly updated the tree based on user responses using Java.

Top Player Algorithms, University of Waterloo Nov 2018

- Implemented three different map methods in Java with the fastest reading over 3 million data rows in under 0.4 seconds.

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

- Obtained the top mark of 96% through developing a project planning tool using Visual Basic with a team of 6 in 3 months.

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