PAMELA WANG

Systems Design Engineering BASc

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EXPERIENCES

Co-Founder / Logistics Director
Hack the Hammer / Urban Hacks
📅 June 2017 – December 2018   📍 Hamilton, ON

- **Co-founded** Hack the Hammer, Hamilton's first 24-hour high school **hack-a-thon**, which **hosted over 150 participants**
- Fostered positive relations with over 24 sponsors resulting in the **50% retention of sponsors** for our second hack-a-thon (Urban Hacks)
- **Managed 15 volunteers, a 20-person hack-a-thon team**, and all 100+ hackers throughout the hackathon, improving logistics and creating a enjoyable hacking experience

Business Analyst and QA Analyst
BDO Canada LLP
📅 January 2020 – May 2020   📍 Missisauga, ON

- **Triaged tickets** between clients and developers, **translating stakeholder requirements** to technical terminology
- **Piloted Automation Test Case creation** using Katalon Studio for a new project, creating over **50** automatic test cases, spearheading a robust automation testing framework for future test cases
- Independently learned **SQL** and **Katalon Studio, a Selenium-based automation testing software**, within two-weeks
- Accurately taught Katalon Studio to members of the company, and completed **thorough documentation** of Katalon Studio and associated languages (Javascript, Java/Groovy)
- Inspected and **investigated and resolved over 30 bugs using SQL** to determine root causes as to ideate possible solutions
- Manually tested bug fixes on all test environments, ensuring a thorough and accurate fix of bugs **in accordance with client business logic**

Marketing Coordinator
Model City Hall Hamilton (MCHH)
📅 December 2017 – May 2018   📍 Hamilton, ON

- **Developed marketing plans** for social media outreach and branding to publicize MCHH's first event by devising promotional plans which attracted over 100 participants
- **Worked collaboratively** alongside 15 team members to successfully establish MCHH as an institution for advocacy, resulting in business partnerships with the City of Hamilton and McMaster University

Student Body President
Westdale Secondary School
📅 2017 – 2019   📍 Hamilton, ON

- **Directed over 1700 students** by speaking at large assemblies and hosting weekly Student Council meetings to orchestrate school events and activities
- Communicated efficiently with administrative staff to optimize student experiences inside and outside of the classroom by discussing new learning techniques and stress management strategies

PROJECTS

Waterloop: Mechanical Team
University of Waterloo
📅 September 2019 – Ongoing

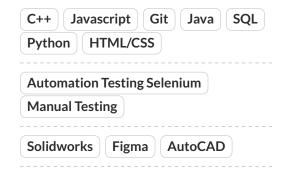- Currently **re-engineering** a lightweight, maneuverable shell for the main pod using **Solidworks**.

PlayDome
SHAD National Design Challenge
📅 July 2018

Worked in a **team** to **design** and **prototype using a 3D printer**. Created a structure which aims to protect children during earthquakes.

SKILLS

C++   Javascript   Git   Java   SQL

Python   HTML/CSS

Automation Testing Selenium

Manual Testing

Solidworks   Figma   AutoCAD

AWARDS

Principal's Entrance Scholarship 2019
University of Waterloo

Principal's Award of Excellency in Leadership 2019
Westdale Secondary School

EDUCATION

Systems Design Engineering Candidate BASc
University of Waterloo
📅 2019-2024

Digital Computation (C++)
Data Structures and Algorithms
Visualization, CAD, and Solidworks (3D modeling and drafting)
Principles of Design, **System modelling and analysis**