

Max Pham

Portfolio: <https://maxpham.dev>

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EDUCATION

- **University of Toronto**

- *Computer Science Specialist — Focus in Computer Systems*

Sep. 2017 – May. 2021

PROGRAMMING SKILLS

- **Languages:** Python, Java, Bash, C

Technologies: RESTful, Requests, Unix, Git, Windows/macOS

RELEVANT PROJECTS

- **Game Center [Java]**

- *Back-end Developer, Unit Tester, Gameplay Tester | Achieved Grade: A (Model Solution)*

Sep 2018 - Dec 2018

- Utilizing Google's Firebase Cloud Storage Framework to design and implement an Authorization system to support multi-user logins. As well as, corresponding on-the-cloud saves for each user's progress. Secured user login information security in compliance to SHA-256 encryption, guaranteeing privacy between users and developers.
- Helped design and implement 2048 game to library.

- **feed.me [Python + Java]**

- *Developer + Project Manager | Placed 2nd in Sustainability Category.*

March 2019

- Implemented RESTful service for GET, POST commands from the App to server. Incorporated MongoDB as the database framework to store and generate corresponding recipes.
- Applied Google Vision and Food2Fork API to recognize groceries and receipts to query recipes and keep database updated.
- **Current Development :** Integrating Google Home/Alexa. Training a more specific and focused ML model with PyTorch. OpenCV for Real-Time Recognition. iOS support.

OTHER EXPERIENCES

- **Apple Inc.**

Eaton Centre, Toronto

- *Operations Specialist*

July 2019 - On-Going

- Responsible for maintenance and fulfilling of inventory, as well as updating teams on the status of products and parts. Entrusted with the task to receive new products and present them to the entire store team.

- **Kinton Ramen**

- *Kitchen Staff*

January 2019 - June 2019

- Partook in preparing and making side-dishes as well as ramen. Took both assisting and leading roles in the kitchen.
- Trained new staffs in dishwashing tasks and closing procedures.

- **FPT Information Systems**

- *Summer Intern*

June 2018 - July 2018

- Conducted quality assurance tasks to verify the utmost accuracy in documentations for dashboards and their supporting calculations.
- Primary dashboard designer, utilized Microsoft Office tools to present crucial components from clients business to assist with the decision-making process.

EXTRA-CURRICULAR ACTIVITIES

- **Autonomous Robotics Club**

Magee Secondary School

- *Co-founder, Back-end Developer*

Sep 2016 - May 2017

- Originally non-operational, the club was revived and restructured from the ground up to its updated form with more than 20 recurring members participation. Negotiated and recycled broken computers from teachers to create a fleet of UNIX-based development desktops for members to learn and develop.
- Co-lead in back-end development and vehicle design of a self-driving 3d-printed car and a quadruped spider. Instructed members in basic wiring, soldering, coding (C#) and safety training for 3d-printer.

- **Magee e-Sports Club**

Magee Secondary School

- *President*

Sep 2016 - May 2017

- Organized weekly SmashBros meetups as well as viewing parties for gaming enthusiasts.
- Initiated collaborations with Table-top club and the official support from the UBC eSports Association. Helped carried out a spring break tournament for members from high schools in the Vancouver area to participate. Most noticeably, the League of Legends Worlds 2016 Viewing Party had 30 participants, both members and non-members.