

PATRICK KAN

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Portfolio: <https://pxx615.github.io/Portfolio>

Work Experience

JUN 2020 – AUG 2020 | Internship

Software Developer

Teranet Inc. – 2 Robert Speck Parkway, Mississauga

- Optimized MVC-based web application, resulting in an increase in efficiency and effectiveness.
- Developed and monitored automated/recurring tasks using C# and SQL.
- Conducted unit tests, end-to-end tests, and documentations of its results.
- Resolved/escalated user stories and defects, including resource leaks and security issues

AUG 2018 – PRESENT | Permanent Part-time

Website Developer

Mississauga Evangelical Missionary Church, <http://www.mcemc.com/>

- Gather user requirements and present the work progress to clients periodically.
- Design and build a responsive website for MEMC, using JavaScript, PHP, HTML, CSS, and Bootstrap.
- Administer and maintain website, including posting announcements and updating schedules.
- Manage the domain name and its web hosting plan, resulting in a 50% decrease in expenses.
- MEMC's website is frequently used by church's members and is open to the public.

NOV 2019 – DEC 2019 | Casual/Freelance

Mobile App Developer

Matte Black Motion Capture, <https://apps.apple.com/ca/app/facelink/id1483389488>

- Established a facial capture app using Unreal Engine 4, allowing its user to control a virtual avatar.
- Fixed Facelink's incompatibility with various Apple devices and multiple versions of UE4.
- Set up a livestreaming environment using OBS Studio and Streamlabs OBS.

SEPT 2019 – DEC 2019 | Internship

Junior Programmer

Screen Industries Research and Training Centre – 225 Commissioners St., Toronto

- Designed and created prototype contents for cutting-edge technologies, using Unity and UE4.
- Documented instructions, roadblocks, and solutions.
- Presented prototype contents, related documentations, and information to clients.
- Researched and tested newly introduced technologies and tools.
- Set up and operated a wide variety of technologies, including motion capture suits and its software.

FEB 2019 – AUG 2019 | Internship

IT Infrastructure Support Analyst

Canada Revenue Agency – 1 Front St. West, Toronto & 5800 Hurontario St., Mississauga

- Performed desktop support for hardware and software support for internal users.
- Utilized remote tools to provide software support and install software applications.
- Verified/maintained connectivity of LAN components.
- Communicated with multiple departments to address/escalate severe incidents.
- Resolved over 400 tickets, built/sanitized over 350 devices (workstations, laptops)

Education

SEPT 2017 – DEC 2020

Computer System Technology – Software Development & Network Engineering

Sheridan College – 1430 Trafalgar Rd. Oakville

- Relevant Coursework: Software Development, Web technologies & web application development, Database technologies & administration, Game Development

Skills

Programming Languages

- | | | |
|--------------|--------|--------|
| - C# | - SQL | - HTML |
| - C / C++ | - Java | - CSS |
| - JavaScript | - PHP | |

Frameworks / Libraries

- | | | |
|-------------|--------------------|-----------------|
| - NodeJS | - React | - MVC / Angular |
| - Bootstrap | - Entity Framework | |

Software Applications / Technologies

- | | | |
|--------------------------|------------------------|----------------------|
| - Azure DevOps | - FileZilla | - GitHub |
| - MS Office/Project 2016 | - Oracle SQL Developer | - VMWare/Virtual Box |
| - MSSQL | - cPanel | |

Operating Systems

- | | | |
|------------------------------|---------|--------------|
| - Windows 7, 10 (v1603-1903) | - MacOS | - Linux/Unix |
| - Android | - iOS | |

Projects

Prototype of a Ticket System

A bilingual, MVC-based web application with a responsive design allows its users to create tickets and view all tickets with sorting and filtering options.

Collateral Guard

As a software developer, I participated in a test-driven development of [Teranet's](#) MVC web application.

MEMC's website

As Mississauga Evangelical Missionary Church requested, this website with a responsive design and cross-browser compatibility provides ample information about MEMC.

3D Chatbot

A chatbot with a 3D avatar, which can serve as an add-on to any website, in order to provide a more impersonal experience to the users.

Hobbies

- 2D & 3D Game development (Unity: C#; Unreal Engine 4: C++)
- Electronic/robotic development (Arduino: C/C++; Mechanical Keyboards)
- 3D Modeling (Maya, Blender)