Christian McFarland

SOFTWARE DEVELOPER

☎ (905) 746-2567 | ✉ christianmcfa@gmail.com | ○ christianmcfar | in christian-mcfarland

Education

Wilfrid Laurier University   *Waterloo, ON, Canada*

BACHELOR OF SCIENCE IN HONOURS COMPUTER SCIENCE   *May 2019*

- **Professional Experience Program**, Completed at Manulife Financial — *May 2016 – Sept 2017*

Skills

Languages   React, JavaScript, React Native, SQL, PHP, C#, C++, Java, Python, HTML, CSS, PowerShell

Others   JIRA, SVN, VS Code, WSL, Expo, GitHub, Heroku, Node.js, Visual Studio, Linux, Figma

Experience

Moneris   *Etobicoke/London, ON, Canada*

SOFTWARE DEVELOPER   *Feb. 2020*

- Developed and implemented QMATI, a QA tool for testing and simulating transactions over terminals, utilizing React, Redux, PHP, and pm2. Collaborated with stakeholders from QA and internal teams to brainstorm ideas and review requirements

- Created OPS MOBILE, a real-time data monitoring mobile app using Native React for Android and iOS platforms, which is used to continuously monitor platform health and receive direct notifications during issues or outages. Utilized Expo for fast development and quick releases

- Contributed to the development of TMS (Terminal Management System), allowing for the initialization and editing of terminals and merchant details. Designed a new UI for TMS, replacing the legacy system, allowing management of terminal options and parameters for dynamic updates at various levels in the terminal hierarchy

- Developed MONMAP, a mapping tool that displays and routes between over 300k Moneris merchants and terminals across Canada, using Mapbox API for mapping and routing between merchants. Utilized PostgreSQL and clusterbuster to create map tiles and group data points into zoom-able clusters

- Utilized Figma to prototype application designs and views for future projects and played a role in the recruitment process by assisting in hiring new team members

Manulife Financial   *Kitchener, ON, Canada*

SOFTWARE DEVELOPER/ BUSINESS SYSTEM ANALYST   *May 2016 - Sept. 2017*

- Took on developer responsibilities to completely rewrite legacy application used by the call center to quickly access and change customer information during calls using C#, ASP.NET, XML, WiX, JIRA, SQL, and Visual Studio

- Frequently applied PowerShell and shell scripting to automate tasks, such as creating a file system management tool to clean and organize large file systems

- Worked with SQL to extract claims data and scraped incident engagement time to create representation used in 2016 incident report showing statistics of time saved from initial incident to point of recovery from previous years

- Won Red Lab Co-op Innovation Challenge by designing prototype image processing application to solve a Manulife business need. Meet with potential users and clients to determine scope and use cases for possible future Manulife application

- Gathered requirements from the business and incident team to in order to begin successful on-boarding of (x)Matters software to Manulife's ecosystem. Then met with (x)Matters contacts, engaged with potentially affected teams, performed demos, and presented software along with use cases

- Managed incident team's Business Impact Assessment Site (BIAS). Oversaw functions of the site including maintenance and acted as business contact point, gathering downtime/incident impacts and user/business costs

Motorcycle Training Organization of Halton/Peel   *Burlington, ON, Canada*

MOTORCYCLE TRAINING INSTRUCTOR   *May 2020*

- Lead and instructed groups of up to 15 students with no previous experience on how to ride a motorcycle safely and obtain an M2 license over the course of a weekend