

Bilal Khawar

Electrical Engineer & Web Developer

WORK EXPERIENCES

Web Developer & Systems Analyst
McMaster University
Jan '17 - Dec '17

Created a mobile-friendly and responsive web application using **Laravel** and **PHP**. Designed and setup a **relational database** for the website. Used **Bootstrap, Javascript** and **jQuery** to develop front-end features. Generated reports from the database as PDFs. Implemented **authentication** and routed users according to their ranks.

Building Systems Co-op
Patheon Inc.
Sep '15 - Aug '16

Controlled various settings of manufacturing equipments by **programming PLCs**. Made monthly **reliability reports** that tracked and analyzed equipment downtime and repair events. Made CAD drawings in **SolidWorks** for **CNC fabrication**.

Drafting & Design Intern
McMaster University
Sep '14 - Apr '15

Surveyed newly acquired buildings and made **technical sketches** of floor plans using **AutoCAD**. Refined the official McMaster Campus Map to accommodate for the recent changes on campus.

PERSONAL PROJECTS

Website Development
2018

Made a responsive website for a real estate agent using Laravel (PHP). Developed front-end features using jQuery. Created a controls panel for the client so that the database tables could be updated.

BearStacks Development
2016

Co-Founder and Senior Developer of BearStacks Development, a company dedicated to developing innovative and practical mobile applications. Launched four applications on the Apple App Store.

Scientific Calculator Pro
2016

Developed a scientific calculator using Swift. Implemented UINavigationController for the layout and designed the app logo in Gimp. The application is currently available on the Apple App Store.

SKILLS

Skilled in programming languages **Java, PHP, C, Swift** and **Python**

Experienced in Full-Stack Web Development (**Laravel, PHP, Javascript, jQuery, Ajax, Bootstrap** and **MySQL**)

Knowledgeable in **App Development**, especially for the **iOS** platform

Familiar with PLCs and Microcontroller Systems; worked with an **Arduino UNO**

Good understanding of computer **data structures, algorithms**, and **software design patterns**

Proficient with **MATLAB, AutoCAD, SolidWorks**, and **Microsoft Excel**

EDUCATION

McMaster University
Sep 2013 - Present

Bachelor of Engineering, Electrical

AWARDS

Certificate of appreciation from the Government of Canada
Awarded for contribution to community

Most Valuable Player (Cricket)
Awarded for leadership and outstanding performance for the senior cricket team

CONTACT

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