MICHAEL PEET

MECHATRONICS ENGINEERING

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SUMMARY OF QUALIFICATIONS

Languages
- **Proficient:** Java, C, C++, HTML/CSS, JavaScript/jQuery
- **Familiar:** Python, XML, Java(Android), Git
- **Working knowledge:** Objective C, SASS, Grunt, IndexedDB

Development Environments
- PyScripter/IDLE, Netbeans, Dev-C++, MPLAB 8/X, Sublime Text Editor, GitHub Command Line, Fritzing, Android Studio, XCode, Arduino

Applications
- AutoDesk Inventor, AutoCAD, Siemens Solid Edge, Adobe Premiere Elements, GIMP, VirtualBox (Ubuntu, Kali Linux)

Soft Skills
- Teamwork, leadership and communication skills
- Flexibility developed through work experience
- Able to learn quickly, creative, minimal supervision required

EDUCATION

University of Waterloo
Candidate for BASc,
Mechatronics Engineering
(2015-2020)

Relevant Courses
Algorithms and Data Structures, Circuits

INTERESTS

Programming, photography, swimming, playing guitar, playing computer games, spending time with friends and family, travelling

EXPERIENCE

Software Support Specialist, Videostream, Kitchener, ON (Jan – Apr 2016)
- Worked in a hybrid development/support role, taking user feedback and using it to implement requested features into Videostream app **(2M+ users)**
- Using Javascript, implemented a **Recent Downloads** feature into the app, currently used by over **5000** users daily
- Coded across **Android** (Java), **iOS** (Obj-C) and **Web** (Javascript) to implement a Netflix style **Continue Watching** feature
- Customer support lead for over **2 million users.** Resolved over **2200 support tickets** in multiple languages

Hardware Assembly/Web Developer, Palette, Kitchener, ON (Jun - Jul, 2015)
- Created new template for main website using templates.
- Participated in development and fabrication of premium product line

Web Developer, Dashtask, Kitchener, ON (Jun - Aug, 2015)
- Wireframe design for web templates using **GIMP** and Powerpoint
- Developed web pages from design mock-ups using **HTML5/CSS3/JavaScript**

Senior Leader, Kitchener Summer Playgrounds, Kitchener, ON (Jul 2012 - Aug 2014)
- Planned, executed, and supervised fun and educational activities with campers while ensuring safety; Provided feedback to parents

PROJECTS

DoStuff New Tab Page (In Progress), Kitchener, ON
- Creating Momentum-like new tab page replacement
- Organizing code into modules using **RequireJS** module loader

Computer Science Contest Algorithms, Kitchener, ON
- Implemented Breadth-First-Search, Recursion, 0/1 Knapsack Programming

Personal Website, Personal Project, Kitchener, ON
- Developed a personal website using HTML/CSS/Javascript with **Bootstrap** framework and **jQuery** Library

Music Light Board (In Progress), Personal Project, Kitchener, ON
- Microphone and active filter circuits make RGB LEDs on board flash based on musical frequencies
- Circuit and board designed in Fritzing, PIC16F676 chip programmed in C

Analogue Test/Programming Board, Personal Project, Kitchener, ON
- Individual colour brightness on RGB LED are controlled with potentiometers on board
- Circuit and board designed in Fritzing, PIC16F676 chip programmed in C

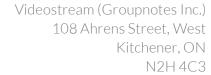**Television Remote, Personal Project, Kitchener, ON**
- IR LED and switches on board transmit IR TV protocols, including SIRC, RC5, and some NEC codes.
- Circuit and board designed in Fritzing, PIC12F683 chip programmed in C

Autonomous Sumo Robot, Sumo Robot Competition, Waterloo, ON
- Used shiny metal ramps to trigger opposing robot's floor sensors and back them out of the ring
- Constructed 2 IR sensors to find and attack position of opposing robot
- Designed and programmed circuit board at same time to increase efficiency

AWARDS

- **Governor General's Academic Medal:** Highest Academic Average (2015)
- **University of Waterloo President's Entrance Scholarship** (2015)
- **Melissa Maharaj Bursary:** High achievement in Technology and Music (2015)
- **Computer Science and Computer Technology:** Highest Marks (2015)
- **UW Canadian Computing Competition:** Top Score in School, Top 25% (2015)
- **Swimming:** Placed 3rd in regional competition. (2015)
- **Karate:** Achieved 1st Degree Black Belt (2014)

Videostream

To Whom It May Concern,

Michael was employed with us January to April 2016 as a "Software Support Specialist". He was one of youngest co-op students we have hired, and over his time with us he thoroughly impressed both the management and other developers with the rapid growth of his skills. Michael's primary roles were development of new features in our application as well as responding to customer emails.

Less than a month after he started working for us, we asked Michael to put his own responsibilities on hold to help us launch our new product, RouteThis. He quickly learned the job requirements, and added configuration support for over 100 Linksys router models in only a few weeks.

After the launch, Michael returned to his primary roles, answering over 2,200 support tickets and producing two major features across multiple platforms, in languages that were initially new to him. After minor cleanup, both features were pushed into production, where they are enjoyed by our 2M+ users.

Michael is extremely eager to learn from those more experienced and is able to adapt quickly, moving between various tasks to fit the needs of the company. At one point he took a leadership role, mentoring our other co-ops. He has a genuine passion for software development and is always one of the first to share his ideas and thoughts on the product. He'd often stay late to ensure his tasks were completed on time.

Michael surpassed our expectations and given the opportunity to hire him back we would not hesitate to do so. If you have any hesitations regarding hiring Michael or are seeking a reference, we would be more than happy to oblige.

Jason Moore

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