Jason Wong

University of Toronto, Electrical Engineering

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Education

Electrical And Computer Engineering,
University Of Toronto, CANADA (2012-2017)
- *Capstone Project*: Efficiency of Wall Chargers with GaN Transistors

Experience

Front End Developer *(May 2016 – May 2017)*
You're Next Career Network, Toronto
- Implemented new features to the existing website to cater for engineering students. Features include a new event and job listings to expand services to students
- Maintained existing codebase and collaborated with various undergraduate students to discuss architecture for future developers

Summer Volunteer *(May – August 2016)*
University of Toronto, Toronto (Professor W.T. Ng)
- Assisted in investigating Class D Audio Amplifiers with Si and GaN transistors
- Utilized lab equipment (logic analyzer and Audio Precision interface) to analyze digitalized sound sent to programmable codec board
- Interfaced a CODEC device using C

Front End Intern *(November 2015 – April 2016)*
Adparlor, Toronto
- Enhanced and modified the frontend AdParlor platform using Backbone, MarionetteJS and StickIt
- Proactively investigated and closed bug requests as they became available through request queues- reduced existing bug queue by 40%
- Maintained frontend system with Twitter and Facebook advertising APIs via collaboration with backend developer to minimize downtime
- Added new features and assisted with testing during beta and public launch phases for admocks.adparlor.com.

Software Developer *(May – September 2015)*
Desire2Learn, Kitchener-Waterloo
- Refurbished existing product features using Javascript libraries (NodeJS, Karma and Angular), HTML and Sass
- Collaborated and modified code with senior developers through GitHub, communicated with UI designer to redesign UI
- Learned development cycle and procedure; first internship with industry experience in web development after self-teaching web development
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Co-president *(May 2015 – May 2017)-* Spark Design Club
- Designed multiple innovative, interactive displays around campus from circuitry design to software development using an Arduino and Raspberry Pi
- Directed and mentored club executives to fulfill design club missions and goals, winning Engineering Society Award for achievement and contribution towards Skule

Skills

- ***Programming:*** C, C++, C#, HTML, CSS, SASS, Javascript, Shell/Terminal (Bourne), SQL, Backbone/MarionetteJS, Verilog
- ***Embedded Systems:*** Arduino, Raspberry Pi, Altera FPGA
- ***Productivity:*** JIRA, Rally, GitHub, GitLab, SVN, SourceTree
- ***Operating Systems:*** Windows, Mac OS, Ubuntu/Linux
- ***IDE:*** Netbeans, Eclipse, Visual Studio, Quartus II, Altera Monitor Program
- ***Analytical:*** LTspice, Hspice, Matlab, MAX, SUE, Altium, Solidworks, Tektronix Oscilloscope, Audio Precision System Two (SIA2322), PLECS

Awards

- Engineering Society Affiliated Club of the Year (2015-16): Spark Design Club

Extra-Curricular/Leadership

- *University of Toronto Robotics Association*: Combat and 3D printer
- *Spark Design Club*: Co-President (2015-Present), Marketing and Webmaster (2014-15)
- *Undergraduate Research Day 2014:* Logistics Director

Interests

- *Sports:* Volleyball, hockey and basketball
- *Software:* Mobile Development
- *Hardware:* Arduino & Raspberry Pi