**WORK EXPERIENCE**

Hardware Designer, Imagine Communications, North York, ON, January 2016 – April 2016

* Assisted with VHDL design and simulation for Xilinx-based FPGAs centered around real-time audio and video processing
* Revised and updated electrical schematics to replace an IC on an existing production board, then tested and verified the successful redesign
* Analyzed and debugged a defective board through examining the schematic, probing using a multimeter, and logical circuit troubleshooting
* Conducted SFP+ compliance testing on pre-production boards, as well as wrote the associated formal compliance reports

Junior Engineer, Kepstrum Inc, Concord, ON, May 2015 – August 2015

* Led development of a major Windows application meant to facilitate internal engineering processes, completing a working prototype in less than two months
* Contributed to software and test stand HMI development on-site at Kepstrum’s technical facilities in Austria
* Initiated changes to existing business practices through the introduction of a formal revision control system as well as a centralized knowledgebase for the company

Student Computing Consultant, University of Waterloo Information Systems and Technology Department, Waterloo, ON, April 2014 – April 2015

* Worked part-time during school in the same capacity as a Junior Technical Support Specialist, providing front-line technical support and services to the university community during off-peak hours

Software Systems Analyst, BlackBerry Limited, Waterloo, ON, Sept. 2014 – Dec. 2014

* Administrated and supported employees on different systems such as JIRA, Git, Perforce, Integrity, and other proprietary internal tools
* Took ownership of the development of an existing BlackBerry 10 app, improving and updating it for newer versions of the OS through fixing bugs and introducing new features that capitalized on the capabilities of newer devices
* Developed an internal Android app to fill an existing need within the company, successfully learning Android development basics in parallel to regular duties of the job

Junior Technical Support Specialist, University of Waterloo Information Systems and Technology Department, Waterloo, ON, Jan. 2014 – April 2014

* Provided front-line technical support and services to the university community
* Solved a wide variety of technical problems using logical troubleshooting methodology
* Continually offered exceptional customer service to the student and staff community, and was specifically recognized for this within the organization through client feedback

EDUCATION

Candidate for Bachelor of Applied Science, Mechatronics Engineering, University of Waterloo, Waterloo, ON, Sept. 2013 – present

* Achieved a competitive rank of 22nd of 133 students during the 2B term, maintaining a cumulative average of 85.3%

AWARDS AND DISTINCTIONS

* **WatPD Engineering Entrance Scholarship**, University of Waterloo, Waterloo, ON, July 2013 (for academic and extracurricular excellence)
* **Governor General's Academic Bronze Medal**, King City Secondary School, King City, ON, June 2013 (for achieving the highest average upon graduating)

ACTIVITIES AND INTERESTS

* **Electronics and Hardware** **Prototyping** (2013 - Present)**:**
* Explored and learned valuable electronics skills such as soldering, circuit troubleshooting, electrical CAD, and home PCB etching through a variety of small Arduino-based projects
* Designed and prototyped practical circuits such as an AUX-to-Bluetooth module for my car, a variable power supply for future projects, and addressable LED string lights for room decoration
* Gained experience in designing and assembling mechanical systems through construction of a 3D printer, custom wooden rack, and other project enclosures
* **Self-Guided Programming and Software Systems Projects** (September 2012 – Present)**:**
* Designed and created my personal website, www.krisztiankurucz.ca, learning HTML, CSS, and Javascript as necessary to craft a modern user experience
* Wrote plugins for a popular Java-based game, one of which became popular and was downloaded over 1000 times by the community
* Managed the backend to my website by setting up, configuring, and securing all necessary packages and services on a virtual private server running Ubuntu
* **Engineering Orientation Leader** (September 2014 & September 2015)**:**
* Organized and supervised incoming first-year students, ensuring they were engaged and having fun during orientation week activities
* Took responsibility for an entire colour group of over 80 students, with the help of only two other orientation leaders