

Krisztian Kurucz

3B Mechatronics Engineering

contact

PERMANENT

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languages

english
hungarian

programming

Java, C++, C#

Python

HTML & CSS

JavaScript, Node.js

PHP & SQL

PLC Programming

VHDL

Embedded C

MATLAB

Assembly

hardware

Xilinx FPGAs

Arduino

ARM Cortex

PIC

software

Windows

OS X

Linux

iOS & Android

AutoCAD

Solidworks

Microsoft Office

education

Candidate for Bachelor of Applied Science (BASC) in Mechatronics Engineering

University of Waterloo, Waterloo, ON

Expected 2018

Relevant Courses:

Algorithms and Data Structures, Introduction to Microprocessors and Digital Logic, Introduction to Computer Structures and Real-Time Systems, Sensors and Instrumentation, Microprocessor Systems and Interfacing, and Actuators and Power Electronics

Ontario Secondary School Diploma (OSSD)

King City Secondary School, King City, ON

2013

experience

Full Time

IMAGINE COMMUNICATIONS

Hardware Designer

Toronto, Ontario

January 2016 - April 2016

- one item
- two item
- three item
- four item
- five item
- six item

KEPSTRUM INC

Junior Engineer

Vaughan, Ontario

May 2015 - August 2015

- Began sole development of a major Windows application in C# meant to facilitate internal engineering processes, reaching major development milestones
- Spent one of four months in Austria, supporting software and test stand HMI development on-site at Kepstrum's technical facilities in Leobersdorf
- Changed and improved existing business practices in a variety of different areas including administrative, logistical, and software
- Provided input on technical problems faced during execution of ongoing projects
- Gained international experience in the automotive and manufacturing industries, working for clients such as Bosch in Austria and Magna in both Austria and Canada

BLACKBERRY LTD

Software Systems Analyst

Waterloo, Ontario

September 2014 - December 2014

- Acted in an administrative role and provided support to employees on a variety of different systems such as JIRA, Git, Perforce, Integrity, and other proprietary internal tools
- Expanded on an existing BlackBerry 10 app, updating it for newer versions of the OS
- Created a new internal Android application, successfully learning Android development alongside regular duties
- Gained valuable industry level corporate experience, including exposure to the Software Development Life Cycle at a large and reputable company

UNIVERSITY OF WATERLOO INFORMATION SYSTEMS AND TECHNOLOGY

Junior Technical Support Specialist

Waterloo, Ontario

January 2014 - April 2014

- Provided front-line technical support and services to the University community through multiple service desks on campus
- Solved a wide variety of technical problems using logical troubleshooting methodology
- Worked effectively in a professional environment with very minimal supervision
- Recognized for exceptional customer interaction with the student and staff community

awards

WatPD Engineering Entrance Scholarship

Received for high school academics and extracurricular activity

University of Waterloo, Waterloo, ON

September 2013

Governor General's Academic Bronze Medal

Received for achieving the highest average upon graduation

King City Secondary School, King City, ON

June 2013

personal projects

Electronics Projects

2013 - Present

- Learned valuable electronics skills such as soldering, circuit troubleshooting, and electrical CAD through a variety of small Arduino-based projects
- Gained important hands on experience in designing and assembling physical components through constructing and using my own 3D printer, as well as photo-fabricating circuit boards at home

Various Programming and IT-Related Projects

2012 - Present

- Examples include the creation of my personal website, plugins for a popular Java-based game, and configuration of a private VPS running Linux
- Gained important hands on experience in designing and assembling physical components through constructing and using my own 3D printer, as well as photo-fabricating circuit boards at home

Engineering Orientation Leader

September 2014 & September 2015

- Helped organize and manage incoming first-year students, ensuring they were engaged and having fun during orientation week activities
- Was one of three leaders responsible for an entire colour group of 80+ students

interests

professional: data analysis, company profiling, risk analysis, economics, web design, web app creation, software design, marketing

personal: piano, chess, cooking, dancing, running

references

Available upon request.