

Kristian Ott

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Profile

I am recent graduate of the Mathematics and Computer Science program at Ryerson University and I am now pursuing a master's degree in Computer Science. I have worked on various technical projects that pertain to both schoolwork and research. I have demonstrated working efficiently and effectively in both group settings and individually.

Work Experience

Ryerson University, Inclusive Media & Design Centre

Toronto, Ontario

Software Developer / Research Assistant

2011 – 2014

- Developed a desktop application in C# .NET called LiveDescribe that allows users to create amateur audio description of video. The combined audio could then be sent to a webpage, making the videos accessible for blind and low vision individuals.
- Created a web version of the LiveDescribe project using the Code Igniter PHP framework, Javascript and YouTube's data and player API's. In this application, the users can search for and add description to YouTube videos.

Toronto Hydro

Toronto, Ontario

Engineering, Technical Student

(May-August) 2010 & (May-August) 2011

- Worked with senior engineers to create civil and electrical schematics for various projects that were approved through the city of Toronto's permit process.
- Conducted fieldwork to gather data that was used to create accurate drawings.
- Communicated with other utility companies to ensure there were no conflicting projects

Education

Ryerson University, Faculty of Science

Toronto, Ontario

Master of Science, Computer Science

2014 - Present

- Research Topic: Computer Vision

Ryerson University, Faculty of Science

Toronto, Ontario

Bachelor of Science, Mathematics - Computer Science

2010 - 2014

- Maintained Dean's List standing throughout all years of study.
- Final cumulative GPA: 4.1/4.3

Technical Qualifications

Operating Systems:

Unix/Linux, Windows, Mac OSX

Programming Languages:

PHP, JavaScript, C, MATLAB, Java, C#, Ruby

Software:

Visual Studio, Eclipse, phpMyAdmin, Git, Tortoise SVN

Web Technologies & Frameworks:

JQuery, YouTube Data & Player API, Code Igniter, Rails

Other:

Strong understanding of Data Structures and Algorithms, some exposure to MySQL database, digital signal processing with audio files and images, Statistics, mathematical computation

Awards

Paul and Anna Maria Bonato Scholarship (\$1000)

November 2013

Awarded to a student enrolled in their 4th year of the Mathematics program with the highest cumulative GPA in their program year.

NSERC Undergraduate Student Research Award (\$4500)

2012, 2013 & 2014

This is awarded to a student who demonstrates promising academic success in a science or engineering discipline. The recipient works closely with their professor to help with a research project for 16 weeks. This award was received three times, the summer of 2012, 2013 & 2014.

Howard Kerr Memorial Scholarship (\$2000)

November 2012

Awarded to a student enrolled in their 3rd year of the Mathematics program with the highest GPA in their program year.

Presentations

- “LiveDescribe and DVX” – A discussion and demonstration of how an open source, professional-quality description authoring environment can utilize the Descriptive Video Exchange.”, VDRDC’s (Video Description Research & Development Center) Second Annual DLN (Description Leadership Network) Meeting, United States, California, San Francisco

Volunteer work

- Mathematics Course Union – Vice President 2013 - 2014
- Created and Maintaining Ryerson’s Mathematics Course Union Web Page 2013 - 2014
- Student volunteer – Ryerson’s Science Rendezvous May 2011

Additional Training

- Environmental Health & Safety (EHS) training 2010
- Workplace Hazardous Materials Information System (WHMIS) training 2010

Hobbies & Interests

- Camping, hiking & canoeing
- Playing guitar, music
- Biking & snowboarding

References Available Upon Request