Kristian Ott

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Profile

I am currently a 4th year undergraduate student studying Mathematics & Computer Science at Ryerson University. 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   October 2011 – Present
- 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.
- Currently creating a web version of the LiveDescribe project using HTML5, CSS, PHP, Javascript and YouTube's data and player API's. In this application, the users can search for and add description to YouTube videos. This project is being done in partnership with the Smith-Kettlewell Eye Research Institute in San Francisco, CA.

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 field work 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
Bachelor of Science, Mathematics - Computer Science   2010 - Present
- Completed all courses up to and including all 3rd year courses as per the program requirements.
- Earned Dean's List standing throughout all 3 years of study; GPA: 4.1/4.33.
- Graduation anticipated for spring 2014

Technical Skills

Operating Systems:	Unix/Linux, Windows XP/Vista/7, Mac OSX
Programming Languages:	PHP, JavaScript, C, MATLAB, Java, C# .NET, Python , Assembly language (Motorola 68K)
Software:	Net Beans, Visual Studio, Eclipse, phpMyAdmin, MicroStation, ProjectWise , git, tortoise SVN
Web Technologies:	HTML / HTML5, AJAX, jQuery, YouTube Data & Player API, CSS
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   May 2013 - Present
- Created and Maintaining Ryerson's Mathematics Course Union Web Page   July 2013 - Present
- 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 and snowboarding

References Available Upon Request