Wojciech Swiderski

1A Software Engineering
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Summary of Qualifications

- Lead programmer with one year of experience using National Instruments LabView and ladder logic to design, test and implement teleoperated and autonomous systems for competition robots
- Front-end web developer with two years of experience in JavaScript, CSS3, HTML5 and Adobe Photoshop completing projects for Model United Nations events and robotics team
- Application developer with one year of experience in Java and C, including Java Swing and Android Development Kit, acquired through university, high school and online programming courses
- Diligent and open-minded student selected for multiple scholarships
- Effective leader and communicator having experience in organizing large events with up to 300 participants

Extracurricular Activities

Lead Programmer   September 2013 – June 2014
First Robotics Canada 4001 Robotics Team
- Implemented visual processing, sensor fusion and ladder logic using National Instruments LabView to design autonomous systems for competition robots
- Designed an interface to control the robots, to display critical information on the driver station, and to manage the robots' onboard systems through the use of state machines
- Collaborated with engineers from Quanser, a mechatronics company, to design robotic systems
- Mentored programmers from two other teams
- Organized and managed a First Lego League tournament for 220 participants

Chair and Webmaster   April 2011 – June 2014
United Nations York Catholic Assembly
- Designed and maintained the event website using JavaScript, CSS3, HTML5 and Adobe Photoshop
- Coordinated a Model United Nations event for 300 delegates
- Instructed a group of 30 delegates on research and debate skills including resolution writing
- Advertised event to students at schools in the York Catholic District School Board

Education

Candidate for Bachelor of Software Engineering   September 2014 – Present
Honours Software Engineering, University of Waterloo, Waterloo ON

Relevant Courses:
- Programming Principles
- Introduction to Methods of Software Engineering
- Linear Circuits

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Education

Ontario High School Diploma   September 2010 – June 2014
St. Robert Catholic High School, Thornhill ON
- Completed Standard Level Mathematics and French with the International Baccalaureate program

Relevant Project:
Cafeteria Banking Application   December 2013 – January 2014
Computer Science
- Programmed an application using Java with file input and output to manipulate and store the account balances of 1400 students
- Employed Java Swing to create a convenient interface for the banking system
- Applied Agile software development methodologies
- Cooperated with client to create a detailed specification for the application

Work Experience

Swim Instructor and Lifeguard   September 2013 – August 2014
Town of Richmond Hill
- Instructed groups of two to eight children, aged four to fourteen, swimming techniques, water safety and basic lifeguarding skills
- Responded to emergency situations following National Lifeguard Service guidelines
- Interacted with patrons, teaching them about safety precautions and dealing with personal concerns

Award and Qualifications

- Procom Ability Prize recipient   September 2014
- Andrew Rok Foundation Scholarship finalist   April 2014
- President's Scholarship of Distinction, University of Waterloo   March 2014
  (awarded to students with a 95% or higher entrance average)
- Multiple academic awards for Mathematics, Physics and Information   September 2013
  Technology, St. Robert Catholic High School (awarded for highest
  standing in class)
- National Lifeguard Service and Swimming Instructor certification   August 2013

Activities and Interests

- Designed personal website using JavaScript, CSS3, HTML5 and Adobe Photoshop to display pictures and videos
- Enrolled into Introduction to Computer Science online course offered by Harvard to learn programming techniques in C
- Built and updated desktop computer