Isaac Hunter

Systems Design Engineering

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▌Skills Summary

- Great expertise with **CSS**, **SQL** and **HTML** through much **website theming** and **development** in Drupal
- Capability to use multiple programming languages; **C++, java, bash,** and **PHP**
- Exemplary **leadership** skills shown in many clubs and teams in high school
- Strong **problem solving** skills enhanced through web development for non-profit organizations
- Proficiency with **Autodesk Inventor, AutoCAD, SolidWorks,** and **Adobe Photoshop**

▌Work and Volunteer Experience

Network Test Analyst
1A CO-OP : January - April 2013

EMC Corporation, Burlington, ON

- Set up and automated tests using shell on virtual machines with both UNIX and Windows operating systems
- Used PHP to design and develop a webpage used by test engineers to view their personal test statistics
- Communicated with staff members to organize the lab's virtual machines
- Created tutorial documents to explain testing procedures for new hires and co-op students

Website Manager
February 2013 - present

Fellowship GTA, Mississauga, ON

- Gained experience in content management software Drupal
- Designed and developed simple, but professional looking websites
- Taught members of Fellowship GTA how to manage content on their new website

Mentor and Administrative Team Coordinator
2007 - present

FIRST Robotics Team 2056, Stoney Creek, ON

- Passed on experience in the design and creation of robots to high school students
- Led Team 2056 through presentations and essays to eventually win the Chairman's Award and Engineering Inspiration Award
- Taught a young student to develop a user-friendly website for Team 2056

Organization Founder and Web Developer
2010 - 2012

Give A Hand

- Learned how to edit open source software and refine it to a customer's specific standards
- Co-created non-profit organization, Give A Hand
- Developed website using HTML and phpBulletinBoard software

Visual Leader and Webmaster
2009 - present

Forestview Community Church, Grimsby, ON

- Learned how to make complicated systems user friendly by organization and using MySQL databases
- Ran Sunday morning effects, videos, and presentations and taught younger members to do the same
- Developed the church's website and taught administration how to use and edit website
- Formed sermon database and organized a recording and uploading process

Education

Candidate for Bachelor of Applied Science

2012 - present

Systems Design Engineering, Co-operative Program, University of Waterloo

- Conrad Grebel UC Yearbook Committee
- Conrad Grebel UC Social Committee
- **Relevant Courses:** Introduction to Design, Human Factors in Design, Digital Systems, and Digital Computation

Ontario Scholar

June 2012

Eden High School, St. Catharines, ON

- **Spirit Executive, Student Council** (2011 - 2012)
  - Grew in ability to organize and lead teams of people
  - Coordinated fundraising concert featuring Brian Melo, which raised over $2,000 for Spread the Net
  - Planned and executed pep rallies and spirit weeks to help raise school spirit
- **Saxophone Section Leader, Jazz Band** (2009 - 2012)
  - Improved the ability to perform confidently in front of large groups of people
  - Performed at festivals and concerts at Eden High School for three years
  - Helped younger students to play saxophone confidently and well
- **Student Mentor, Vex Robotics Team 3553A and 3553B** (2009 - 2012)
  - Learned how to effectively teach difficult technical concepts to high school students
  - Led design and build process for two small robotics teams
  - Taught design and robotic principles developed through time on FIRST Team 2056
- **Leader, The Point Guys Small Group** (2010 - 2012)
  - Led Grade 10 students in studying Biblical foundations and teachings
- **Reach For The Top Competition** (2009 - 2011)
- **DSBN Programming and Skills Competitions** (2009 - 2011)

Awards

- **Outstanding Student Award**, Eden High School
- **Excellence in Education Award** for excelling academically, while making outstanding contributions to both school and home communities, District School Board of Niagara
- **President's Scholarship of Distinction**, University of Waterloo
- **Silver Medal**, Skills Ontario CAD (Computer Aided Design) Challenge
- **8th Place** out of 34,481 contestants in Waterloo Pascal Math Contest
- **Top 25% of participants** in Waterloo Senior Computing Contest in 2011
- **Top 25% of participants** in Waterloo Euclid Contest in 2010, 2011, and 2012

Activities and Interests

- **Alto Saxophone,** multiple bands at Eden HS (2009 - 2012); **Piano,** private lessons (2001 - 2009)
- **Volleyball, basketball, and soccer;** Varsity soccer team member at Eden HS (2010 - 2012)
- **Photography, photo editing, and video editing**
- **Snowboarding and longboarding**
- **Playing board or card games with family or friends**