

# RAMANDEEP FARMAHA

2A Systems Design Engineering Student

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## SKILLS

**Programming Languages:** C++, Javascript, MEAN stack (MongoDB, AngularJS, ExpressJS, NodeJS) HTML, CSS, Objective C  
**Tools:** Grunt, Bower, Yeoman, Xcode, Sublime, Sharepoint  
**Transferrable Skills:** Strong team building and risk taking skills through years of leadership roles in extracurricular activities  
Strong verbal and written communication skills developed through volunteerism and journalism

## EXPERIENCE

### **Junior Web Developer (Co-op)**

*September 2014 – December 2014*

Raymond James Ltd.

- Create web-based financial calculators using AngularJS and Bootstrap
- Design and implement JSON-based document databases with AngularJS frontends
- Design, build, maintain internal and external websites
- Develop web-based tools using PHP

### **Project Coordinator (Co-op)**

*January 2014 – April 2014*

Manulife Financial

- Develop, improve user experience design, and provide major launch of internal websites and wikis using HTML and CSS
- Develop User Application Test Cases for major IT software implementation
- Assist portfolio management by developing automated Excel – based monthly reporting
- Assist developing key project management documentation, such as prod-as-build document, project charter, and project plan
- Assist on Shared Service/Centre of Expertise Playbook development

### **Innovation Agent**

*May 2013 – August 2013*

Samsung Electronics Canada

- Communicate benefits of Samsung products by engaging customers
- Create and establish Samsung brand awareness
- Increase month-to-month sales of Samsung products by 70 percent

## EXTRA-CURRICULAR ACTIVITIES

### **Midnight Sun Solar Car Race Team**

*January 2015 - Present*

#### **Business Manager**

University of Waterloo

- Manage and raise funds for the \$250,000 solar car project

- Streamline operations and procedures within the team using cloud-based apps
- Plan and coordinate tour across major cities in Southern Ontario
- Use CRM tools to develop sponsorships and supervise co-op students
- Represent the solar car team during exhibitions and other events

### **Engineering Society Representative**

*September 2013 – August 2014*

University of Waterloo

- Attend biweekly meetings to discuss issues and event planning
- Vote on issues relating to Waterloo engineering students

### **Student Council Vice-President**

*September 2012 – June 2013*

Glenforest Secondary School

- Plan and co-ordinate school-wide events including prom
- Speak in front of hundreds of students during school events

## RELEVANT PROJECTS

### **GreenLeaf Design Project**

*September 2013 – December 2013*

SYDE 161

- Provide a solution for small-scale urban gardening application
- Develop user requirements, QFD analysis, hierarchical task analysis
- Conduct cost/benefit analysis of different solutions via LFP and HFP rapid prototyping
- Design virtual prototype of product using Solidworks
- Conduct usability and functional testing
- Create product using 3D printed parts and fibre glass

## EDUCATION

### **Candidate for Bachelor of Applied Science**

*September 2013 – Present*

Systems Design Engineering

University of Waterloo

- 3.9 GPA

### **International Baccalaureate Diploma**

*September 2009 – May 2013*

Glenforest Secondary School

- Graduated with highest percentage marks in Physics and Chemistry (99%)
- 96 percent graduating average

## ACHIEVEMENTS

### **President's Scholarship of Distinction**

*September 2013*

University of Waterloo

- Awarded to high school students entering university with a 95% or higher average

### **Avogadro Chemistry Competition**

*May 2012*

University of Waterloo

- Scored in top 5 percentile across Canada