

# Alexander Maru

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## OBJECTIVE

I am currently seeking an internship for 2016.

## COURSEWORK

### UNDERGRADUATE

Functional Programming  
Imperative Programming  
Modularization  
Algorithms, Memory and Efficiency  
Mathematical Proofs  
Combinatorics  
Probability  
Calculus I & II  
Linear Algebra  
Logic and Computation

### HIGH SCHOOL

Information and Business  
Media Arts  
(Including Adobe Photoshop & Illustrator)

## LINKS

Github:// [assefamaru](#)  
LinkedIn:// [Alexander Maru](#)  
Twitter:// [@assefamaru](#)  
Quora:// [Alexander-Maru](#)  
StackOverflow:// [alexander](#)

## INTERESTS

### IN MY FIELD

Functional Programming • Cloud Computing • Artificial Intelligence  
• Machine Learning • Network Security • Applied Mathematics  
• Combinatorial Analysis • Robotics  
• Engineering • Mathematical Proofs • Computational Logic  
• Late Night Coding • Sublime Text

### OTHER INTERESTS

Religion • Competitive Chess  
• Rubik's Cube • Cross-country Running • Travelling • Cultures and Languages • Drawing  
• Soccer • Philosophy • pi

## EDUCATION

### UNIVERSITY OF WATERLOO | CANDIDATE FOR BACHELOR OF MATHEMATICS IN COMPUTER SCIENCE

Expected August 2014 - 2019 | Waterloo, Ontario

- Recipient of President's Scholarship of merit in 2014.
- Used the UWaterloo API to implement various levels of functional modules using Racket in Designing Functional Programs class in 2014.
- Compared and analyzed different algorithms for efficiency in Algorithm Design and Data Abstraction course in 2015.

### CAMERON HEIGHTS | INTERNATIONAL BACCALAUREATE (IB) PROGRAM GRADUATE

August 2011 - 2014 | Kitchener, Ontario

- Earned both IB Diploma and Ontario Secondary School Diploma.
- Received medal for achieving highest score in Business Technology in 2011.

## EXPERIENCE

### IGNITION | WEB DEVELOPMENT CODING CAMP BY SPARK BOULDER

February - May 2015 | Boulder, Colorado

Worked on various front-end and back-end projects to learn the fundamentals of web development. Some of the languages and technologies used include HTML5, CSS3, JavaScript, Ruby on Rails, Git, GitHub, Slack and Cloud9.

### YMCA | NEW COMER YOUTH PROGRAM VOLUNTEER

August 2011 - 2015 | Kitchener, Ontario

Lead youth activities and co-ordinated events to engage children between ages 3 - 18, working as a team with other volunteers and staff. Furthermore assisted guest speakers during their presentations by setting up projectors and taking care of any network issues.

### KITCHENER YOUTH ACTION COUNCIL (KYAC) | TEAM MEMBER

September 2012 - 2014 | Kitchener, Ontario

Organized the local annual Youth Awards, and collaborated with team members in tackling wide ranging social issues that affected youth in the city, such as homelessness and education.

## SUMMARY OF SKILLS

- Proficient in Racket, C, HTML, CSS and Ruby, with some background in JavaScript and PHP.
- Extensive experience working with frameworks, plugins and technologies such as Ruby on Rails, Bootstrap, JQuery and Cloud9.
- Familiar with graphics design in Adobe Photoshop, Illustrator and Flash.
- Fluent in English and Amharic, with some background in Swahili and Spanish.
- Very committed, and ready to learn and grow in any new environment.

## EXTRACURRICULARS

- Was an active member of the following clubs from 2011-2014; Math Club, Chess Club, Multicultural Club, DECA and Spanish Club.
- Ran with my high school cross-country team for two seasons, qualifying for CWOSSA in the first one.