

# HAMZA AZEEM

## Computer Engineering

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### QUALIFICATIONS

- Experienced in hardware and software projects involving schematic designing, software debugging, team management and open source contributions
- Dynamic team player with excellent communication skills
- Eager to learn and proven ability to complete tasks on time
- Fluent in English, Urdu, Hindi with working knowledge of French

### EXPERIENCE

**synacor**

Software Engineer

Sept. - Dec. 2014

- Designed and developed RESTful MVC web-apps using a Javascript "minimal" framework
- Created and contributed to Synacor's various proprietary web tools used in their major public services
- Optimized tool performance and simplified codebase
- Provided full coverage testing to existing and newly created repositories

**ROGERS™**

Web Developer

Jan. - May 2014

- Worked closely in Rogers.com redesign project team
- Quickly learned various front-end technologies to contribute to codebase
- Exposed to Agile methodologies and Apache Ant
- Conducted detailed test cases across multiple mobile platforms

### PROJECTS

- **PebbleRun**
  - Hackathon project for offline GPS navigation on Pebble Smartwatch
  - Uses Google Maps API to load pre-determined routes onto watch
  - Implemented web-app in JavaScript, HTML and CSS. Pebble app in Pebble C SDK
- **Pedometer**
  - Developed Android app with low-pass filter implementation
  - Created calibration method to adapt to various user step-patterns yielding 98% accuracy
- **SimpleWeather**
  - Created weather app that displays location, view temperature, humidity and windspeeds
  - Implemented multithreaded tasks for fetching weather data from OpenWeatherMap API
- **myWaterloo**
  - Launched Chrome extension for uWaterloo students that replaces new-tab page
  - Included local weather, news, cafeteria menu, todo list and more
  - Client-side app written in JavaScript, HTML and CSS. Built at EngHack Waterloo 2014

### EDUCATION

**Candidate for B.A.Sc in Computer Engineering,**  
University of Waterloo, Waterloo, ON, Canada

Sept. 2013 - Present

## Technical Proficiencies

### PROGRAMMING CAPABILITIES

JavaScript, Java, Python, C#,  
HTML5, CSS3, Node.js

### TECHNOLOGIES

Git, SVN, Android, JIRA

### HARDWARE

Arduino Microcontroller  
Altera FPGAs  
Wiring and soldering  
Schematics  
Breadboards and PCBs

### OPERATING SYSTEMS

Mac OSX  
Windows  
Linux

## Activities and Interests

Reading  
Beatboxing  
Sketching  
American Football  
Cricket  
Leisure walks  
Travel