

# Shawn Sheng

## 1B Electrical Engineering

<http://shawنشeng.me>

**Permanent Address**  
6 Skye Place  
Guelph, ON N1G 1M6

[s6sheng@uwaterloo.ca](mailto:s6sheng@uwaterloo.ca)

**Present Address**  
Village 1  
University of Waterloo  
Waterloo, ON N2J 4B6

### OVERVIEW

- Proficient in designing electronic circuits with power supplies and function generators
- Superior grasp of digital logic with experience in VHDL
- Self-motivated with a keen interest in all aspects of electrical engineering
- Exceptional analytical reasoning and problem solving skills
- Strong ability to work independently and quickly learn new concepts
- Excellent interpersonal and communication skills both orally and in writing

### TECHNICAL

**Programming Languages:** Java, C#, JavaScript  
**Web Development Tools:** HTML5, CSS3, AngularJS, Mercurial, GruntJS, Karma  
**Software:** MS Office, AutoCAD, SolidWorks, Google SketchUp

### EXPERIENCE

#### Front-End Developer

*Genesys Telecommunications Laboratories / Markham, ON / Jan 2015 – Apr 2015*

- Used AngularJS to create an easy-to-use framework built for web development
- Resolved multiple defects affecting various components in the framework
- Created unit tests for new and existing code with at least 90% coverage
- Implemented innovative features to enhance the functionality of various elements
- Abided by strict software development processes and conventions

#### Carpenter

*Q-Carpentry / Guelph, ON / Jul 2013 – Aug 2014*

- Assisted with the trimming of houses under construction by Carson Reid Homes
- Completed numerous home improvement projects
  - Installed porcelain tiles, vinyl and laminate flooring
  - Finished basements (drywall, taping, plumbing, electrical, paint, trim)
  - Various amounts of trim work such as installation of new doors and baseboard
- Comfortable handling a wide variety of manual and power tools

### PROJECTS

#### Traffic Intersection Simulation

- Accurately simulated a real-time intersection with traffic lights and pedestrian signals
- Worked with breadboards, wires, LED's, and logic gates to integrate a fluent design
- Created a Turing program to control the timing of the light switches

#### Condo Design

- Massive design project using AutoCAD and Google SketchUp
- Incorporated requirements such as green energy sources and feasible design model
- Followed strict, step-by-step guidelines and consistently met due dates

### EDUCATION

#### Candidate for Bachelor of Applied Science in Electrical Engineering

*University of Waterloo / Waterloo, ON / Sept 2014 – Present*

- Awarded President's Entrance Scholarship of Distinction for achieving a 97% average

### INTERESTS

- Badminton, reading, solving puzzles, watching movies and learning new things