

# Daren Wang

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## SKILLS

### PROGRAMMING

Experienced:

C++ • C# • Objective-C • Javascript  
CSS • Matlab

Familiar:

Assembly • Android • VHDL •  $\LaTeX$

### ELECTRICAL ENGINEERING

Analog Circuits • Digital Circuits  
Semiconductor Physics • MOSFETs  
Transmission Line Theory • Oscilloscopes  
Multimeters • Function Generators

## TOOLS

Git • SVN • TargetProcess • XCode  
Visual Studio • Multisim

## EDUCATION

### UNIVERSITY OF WATERLOO

#### BASC IN ELECTRICAL ENGINEERING

Expected May 2019 | Waterloo, ON  
Cum. GPA: 3.7/4.0

## COURSEWORK

Algorithms and Data Structures  
Engineering Design with Embedded  
Systems  
Digital Computers  
Probability and Statistics  
Signals and Systems  
Electronic Devices  
Electromagnetic Fields and Waves

## INTERESTS

Photography  
Aerial videography  
Downhill skiing  
Fixed gear bicycles

## LINKS

Github:// [d227wang](#)  
LinkedIn:// [darenwang](#)  
Instagram:// [thewalkhome](#)

## EXPERIENCE

### SMART TECHNOLOGIES | SOFTWARE DEVELOPMENT INTERN

Jan 2017 – Apr 2017 | Calgary, AB

- Created application similar to a PDF reader for SMART Notebook files using Objective-C.
- Increased new feature uptake by 30% by implementing a welcome center for SMART Notebook using C# on Windows and Objective-C on Mac.
- Updated Notebook printer extension written in C# to allow for simple wireless file sharing to SMART interactive displays.
- Worked on annotation application that allows inking on any open window. Written in C++ for Windows and Objective-C for macOS.

### SMART TECHNOLOGIES | SOFTWARE DEVELOPMENT INTERN

May 2016 – Aug 2016 | Calgary, AB

- Developed desktop applications in C++ and Objective-C as part of the SMART Notebook team.
- Created functional prototype for a journaling application on Android using Java and C++.
- Produced shippable quality educational activity in Javascript during 3 week intern project.
- Awarded “executive award” in company wide hackathon for visual programming module.

### ZYNGA | QUALITY ASSURANCE ENGINEERING

Sept 2015 – Dec 2015 | Toronto, ON

- Executed feature, regression and release testing for mobile games on iOS and Android platforms.
- Participated in the agile development cycle using tools including JIRA and Crashlytics to track and promote project development.
- Communicated product status by producing quality reports and release sign offs weekly.

### YORK REGION | TRANSIT MANAGEMENT SYSTEMS

Jan 2015 – Apr 2015 | Vaughn, ON

- Maintained and improved CAD, AVL, and CCTV systems on York Region Transit's 10 types of buses.
- Independently completed technology audit for the entire fleet of over 300 buses.
- Worked daily with electrical circuits and testing equipment.

## PROJECTS

### GAME OF GREEN

Full stack web application that gamified carbon footprint tracking. VueJS was used for frontend and PostgreSQL was used for backend.