

Elizabeth Morrow

2A Mechatronics Engineering

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Software Skill Summary

Languages: C#, Java, C/C++,
HTML

OS: Windows 8/8.1,
Ubuntu, Fedora

IDEs: Visual Studio,
Eclipse,
CodeComposer,
Android Studio

Technical Skills

Software Development

- Embedded Systems
- Applications
- Mobile

Design and 3D Modeling

- Interface Design
(Photoshop, Balsamiq)
- Mechanical Design
(Solidworks)
- Electrical Layout (Altium,
AutoCAD)

Process Automation

- Powershell/Bash
Scripting

I am a student looking to continue creating fast, flexible, beautiful software while improving my skills as a developer.

Professional Experience

Control Systems Design – MedAvail Technologies Aug. 2014 – Dec. 2014

- Lead designer and developer of handset testing application(C#). Used Fast Fourier Transforms to analyze signal quality. Saved company \$15,000.
- Reworked machine log converter application(C#), implemented hashing and multithreading resulting in a 300% improvement in execution speed.
- Integrated log converter into utility software, translating machine logging events in real time.
- AutoCAD electrical layout work

Software Co-op – Midnight Sun Solar Race Car Team Jan. 2014 – Apr. 2014

- Developed CAN message parser (C#,SQL) for diagnostic use on solar car.
- Wrote firmware for lights control board (C).
- Lead design and CAD of electrical system test harness (SolidWorks).
- Hardware bring-up and debugging (Altium).

Education

Candidate for Honors Bachelor of Mechatronics Engineering, University of Waterloo 2013 - present

Relevant Courses: MTE 140 Data Structures and Algorithms, MTE 262 Microprocessors and Digital Logic

Activities and Interests

- Bilingual (French) • Traveling • Hockey • Performing in Musicals