Kevin Luong

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github.com/KevinLuong96

- Proficient in the use of multiple programming languages (C++,C#, HTML/CSS, Python)
- Experienced in creating, updating and executing strict testing protocol
- Strong verbal communication skills developed by instructing & tutoring jobs over 3 years
- 6 years' experience using Microsoft applications (Word, Excel, Powerpoint, etc)
- Working knowledge of CAD software including SolidWorks and AutoCAD

Education

University of Waterloo   Sept 2014- Present
Candidate for Bachelor of Applied Science in Systems Design Engineering
- Relevant courses: Engineering Biology, Computer Aided Design, Data Structures and Algorithms, Digital Computation, Introduction to Human Factors Engineering

Projects

Rov — Dementia Hacks 2015   November 2015
- Created a tracking device for dementia patients and hospital staff to be implemented within hospital bracelets
- Developed mathematical algorithms to triangulate position from signal strength
- Integrated microprocessors, web servers and custom software to display real time position on a web application

ThermoVest — First year design project   Sept 2014 - Dec 2014
- Designed harness to automatically detect and regulate temperature for Paralympic athletes
- Produced a custom 3D printed frame on SolidWorks to house electrical components
- Detailed prototypes, design process and user testing using good engineering practices

Experience

Natus Medical — Engineering Co-op   Sept 2015 - Present
- Performed systems testing of proprietary ECG machines to verification protocol
- Facilitated operations in an internal validation of unreleased hardware and software
- Wrote verification reports documenting validation and testing data

Richmond Hill Wave Pool — Lifeguard/Swim Instructor   Sept 2013 - Sept 2014
- Planned personalized teaching curriculum to organizational standards
- Operated in a team to maintain pool safety and educate patrons on company policy
- Created individualized reports detailing student attributes and methods to progress

Interests include programming, reading, basketball, football and fashion.