
SUMMARY

Current Software Engineering student at the University of Waterloo. 2 years of C++ programming.

COMPUTER SKILLS

Languages

- Proficient in C++ and C
- Familiar with Python, HTML, CSS

Software

- Programs: Visual Studio, Microsoft Office/Excel/PowerPoint, Photoshop, Illustrator
 - Platforms: Windows 7, 8 and OSX
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PROJECTS

Procedural Space Game

Nov 2014 – Present

- Programmed in C++, the game is a open 2D sandbox which utilizes simplex noise to generate natural looking infinite star systems and enemy distribution
- Uses object oriented programming style with inheritance, polymorphism and uses SDL to render

Scribbler Robot Group Project

Oct 2014 – Dec 2014

- Demo mark of 106.25% for going above and beyond: By building an iPhone application that receives voice commands, and communicates, via Redis Pub/Sub, with various Python scripts, we turned our Scribbler Robot into a Scribbler "Buddy" that can tell you jokes, give you the weather forecast, look for and follow certain colours, make 1 degree precise turns using the phone compass and even let you drive it with the Myo armband.

Personal Website

Dec 2014 – Present

KarelC.com

- Created using HTML 5 and CSS, used to host projects, resume, info and a SVN for projects
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EXPERIENCE

Kids' Club Coordinator

Mar 2011 – Jun 2011

Canadale Nurseries

- Created a website using HTML5 and CSS for Kids' Club
- Designed unique garden-related activities for children aged 2-12
- Organized and instructed high school volunteers who assisted in the program
- Wrote a weekly electronic newsletter for participating children and parents
- Reported weekly updates to supervisor

Customer Service Attendant

Mar 2009 – Mar 2010

Canadale Nurseries

- Accurately entered product and customer information into a point of sale database
 - Assisted customers with plant and garden related purchases in a fast-paced environment
 - Updated customer information for a customer loyalty program
 - Maintained plants and display areas for an interesting and clean presentation
 - Received and priced new inventory
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AWARDS

University of Waterloo President's Scholarship of Distinction

Aug 2013

- Awarded to students with average above a 95% average

Kenneth Osborne Scholarship

Jun 2013

Central Elgin Collegiate Institute, St. Thomas, ON

- Top graduating math student

Highest Standing in Physics, Calculus and Computer Science

Jun 2013

Central Elgin Collegiate Institute, St. Thomas, ON

EDUCATION

University of Waterloo

Aug 2014 - Present

Waterloo, ON

- Current Undergraduate for Software Engineering