

Karel Casier

KarelC.com | github.com/KarelCasier

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SUMMARY

Current Software Engineering student at the University of Waterloo. 3 years of C++ programming.

COMPUTER SKILLS

Languages

- Proficient in C++ and C
- Familiar with Python, HTML5 / CSS3

Software

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

PROJECTS

Procedural Space Game

Dec 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
- Object oriented design using inheritance, polymorphism and SDL to render

Scribbler Robot Group Project

Oct 2014 – Dec 2014

- Top demo mark: 106.25% awarded for overall project appeal, challenge and innovation.
- "Buddy", our robot, was coded to have an interactive personality. Buddy's functionality includes spoken interaction for jokes, music, object finding by colour, and motor control based on compass data or a Myo armband (muscle impulse sensor).

Personal Website

Dec 2014 – Present

KarelC.com - View more projects in detail

- Created using HTML5 and CSS3, used to host projects, resume.

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

AWARDS

University of Waterloo President's Scholarship of Distinction

Aug 2013

- Awarded to students with an entrance average above a 95%

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

2014 - Present

Waterloo, ON

- Current Undergraduate for Software Engineering (BSE)