

Colin Howes

chowes@uwaterloo.ca

www.colinhowes.me

Education

MMath Computer Science <i>University of Waterloo</i> GPA: 3.95	2017 – 2018
MSc Neuroscience and Applied Cognitive Science <i>University of Guelph</i> GPA: 3.98	2014 – 2016
BA Psychology, Minor in Law (Highest Honours) <i>Carleton University</i> GPA: 3.60	2008 – 2013

Skills

Programming Languages:

C, Java, R, C++, Python

Technologies and Tools:

Git, Linux, Android and Android Studio, Shell Scripting, LaTeX

Web Technologies:

HTML, CSS, JavaScript, MySQL/SQLite, AngularJS, Bootstrap, PHP

Projects

Improved Initiative

An Android app built in Android Studio using Java and SQLite designed to manage turn orders in tabletop pen-and-paper RPGs.

Scoundrel

A “rogue-like” RPG for the Linux terminal written in C using the ncurses library.

Automated Data Processing and Analysis

Automated processing of animal behaviour data using scripts written in Python and R.

PICAXE Robot

A robot built using a PICAXE board programmed in BASIC capable of autonomous roaming, with support for user input via an NES controller.

Employment

Graduate Research Assistant – Computer Science <i>University of Guelph – Department of Computer Science</i> Developed a survey management tool using AngularJS, PHP, and MySQL, used by researchers interested in improving health data collection through gamification.	2015 – 2016
Graduate Research Assistant – Behavioural Neuroscience <i>University of Guelph – Department of Psychology</i> Conducted a study investigating the effects of prenatal exposure to exogenous testosterone in mice.	2014 – 2016
Teaching Assistant <i>University of Guelph – Department of Psychology</i> Lead a research statistics seminar for a group of high-achieving upper year students interested in pursuing graduate studies.	2014 – 2016
Tutor – Computer Science and Statistics <i>Self-Employed</i> Provided individual tutoring in statistics and computer science, including a student with profound visual impairment.	2014 – 2016