

Danielle Pham

danielle.pham@mail.mcgill.ca
github.com/quelledanielle

Experience

Hacker School Participant
Hacker School – New York, NY

Jun 2014 – Aug 2014

Focused on self-directed projects to achieve proficiency in JavaScript • Explored functional programming, game development, web applications, machine learning, and networking • Improved code quality via pair programming

Undergraduate Research Assistant
McGill University – Montréal, QC

May 2013 – Aug 2013

Implemented algorithms in Python to predict cooperation of transcription factor pairs • Parsed large biological datasets and produced basic statistics • Profiled implementations to determine the benefit of multiprocessing

Volunteer Copyeditor

Aug 2013

The Performance of Open Source Applications – Montréal, QC

Proofread selected chapters of POSA, a book about open source software of various speeds and sizes • Assured consistency in capitalization, spelling, contractions, and formatting • Reworked diagrams to increase clarity

Projects

Asteroids game

github.com/quelledanielle/asteroids

Programmed an Asteroids clone in JavaScript • Strengthened understanding of prototypal inheritance, references, and mutability • Applied linear algebra to collision detection • Collaborated to implement and debug features

Local version control system

github.com/quelledanielle/myvcs

Created a command line tool for managing project revisions with Node.js • Investigated recursive directory trees, and synchronous versus asynchronous file I/O methods • Gained appreciation for existing version control systems

McGill schedule exporter

github.com/alexcoco/martlet

Extended Martlet, a Ruby client for McGill course information, to export schedules as iCalendar files • Increased knowledge of Internet protocol standards • Contributed to open source software using GitHub for code review

Education

B.Sc. in Computer Science and Biology
McGill University – Montréal, QC

Sep 2011 - present

Expected graduation: Apr 2015 • GPA: 3.85

Skills

JavaScript, Node.js, Ruby, Python, Java, HTML, CSS, Git