Danielle Pham

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

Experience

Volunteer Editor
Feb 2015 – present

Hacker School Code Words
codewords.hackerschool.com

Proofread selected pieces for Code Words, a quarterly publication about programming • Collaborated with authors to improve structure, clarity, and flow of content • Assured consistency in grammar and formatting

Hacker School Participant
Jun 2014 – Aug 2014

Hacker School – New York, NY

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
May 2013 – Aug 2013

McGill University – Montréal, QC

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

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

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

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

Education

B.Sc. in Computer Science and Biology
Sep 2011 - present

McGill University – Montréal, QC

Expected graduation: Apr 2015 • GPA: 3.85

Skills

JavaScript, Ruby, Python, Java, HTML, CSS, Git