

Felicia Hioe

CELL: (647) 627-0851 | EMAIL: fe.hioe@gmail.com | WEB: fehioe.github.io
Toronto, Ontario, Canada

EDUCATION

University of Toronto

Honors Bachelors of Science

November 2017 | Toronto, ON

- Computer Science Specialist Program

SKILLS

Languages

Strong

CSS3 | HTML5 | JavaScript | Python

| SQL

Familiar

C | C++ | Java | jQuery | MongoDB |

Node.js

Other

Version Control

GIT/GitHub | SVN

Environment

Linux/Mac | Windows

COURSEWORK

Undergraduate

- Algorithm Design, Analysis, and Complexity
- Compilers and Interpreters
- Computer Graphics
- Computer Networking Systems
- Computer Organization
- Data Structures and Analysis
- Database System Technology
- Machine Learning and Data Mining
- Operating Systems
- Principles of Computer Networks
- Principles of Programming Languages
- Programming on the Web
- Software Design
- Software Tools and Systems Programming

PROJECTS

Pacman Ray Tracer

- Winter 2017: individual project
- Implemented a ray tracer skeleton and created a Pacman scene with C and OpenGL

Triage Application

- Fall-Winter 2014: four-person group project
- Created an Android application with Java that implements various functions for use in a hospital

Programming Language and Compiler

- Winter 2017: four-person group project
- Designed a programming language and implemented a compiler with Java

Facial and Gender Recognition Program

- Winter 2017: individual project
- Created a program with Python that recognizes celebrity faces and gender

Tutor Me Web Application

- Fall-Winter 2016: four-person group project
- Created a web application that allows students to find tutors in their location
- Implemented with CSS3, HTML5, JavaScript, jQuery, MongoDB and Node.js

EXPERIENCE

Three-Flavors Kids' Club | Technology Instructor

Summer 2015 and 2016 | Richmond Hill, ON

- Taught elementary school children the principles for creating video games, websites and videos
- Designed the course, and created the syllabus and lab exercises
- Taught students how to use Adobe Photoshop for image editing, Microsoft Kodu and Yo Yo Games' GameMaker for game development, and Weebly for web development
- Created and maintained course website for student and parental use

VOLUNTEER & EXTRACURRICULAR

- 2014-2017 | University of Toronto Web Development Club | Member
- 2014-2017 | University of Toronto Game Design and Development Club | Member