

EDUCATION

Ryerson University

Bachelor of Science in Computer Science (Co-op)

Minor in Mathematics

Expected Graduation: May 2020

cGPA 3.79/4.33

SKILLS AND AWARDS

PROGRAMMING LANGUAGES: Java, C, Python, Bash/Shell, Haskell, HTML/CSS

SOFTWARE/FRAMEWORKS: Git, Linux, macOS, IntelliJ IDE, LaTeX, Bootstrap, Scrapy

SPOKEN LANGUAGES: English, Russian, Azerbaijani

AWARDS: Faculty of Science Dean's List 2015-2016

EXPERIENCE

HN Scraper

Uses Python and Scrapy library to pull article titles and links from HackerNews. Stores all relevant information in a new JSON file daily. Intended to be used for storing articles for later reading when pre-requisite knowledge is missing. Work in progress.

MatrixOps

Implementation of a basic calculator for performing operations on matrices. Operations include multiplication, addition, and adjoint. Storage of matrix data is done using one-dimensional Array List objects. Uses Java's Swing and Event packages for the GUI.

Maze Navigator

C command-line program that solves text-based mazes from stdin. Uses a Queue data structure to navigate valid adjacent elements until the end node is found. Follows the path backwards to return the shortest possible path. Coursework.

Image Processor

Java application that receives an image as input, and applies certain effects to the image using a kernel. Effects include edge detection, black and white, blur, sharpen, and monochrome. Coursework.

Data Structures as Vehicles

Uses Java's Swing package to visualize Linked List and Queue data structures. Implementation of both data structures and corresponding methods. Functions can be called using selection and appropriate menus, or overlapping "hitboxes". Coursework.

RELEVANT COURSES

Data Structures and Algorithms

Comparative Programming Languages

Introduction to Operating Systems

Introduction to Software Engineering

Introduction to C and Unix

Computer Organization I & II

Web Developer Bootcamp (through Udemy)