Elton Kok

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LINKS

- in linkedin.com/in/eltonkok
- ⬡ github.com/EltonK888
- ⚭ eltonk888.github.io

EDUCATION

UNIVERSITY OF TORONTO

HBSc in Biochemistry & Human Biology
2014 - 2019 | Toronto, CA
GPA: 3.90 / 4.00
• Dean's List (2014 – 2019) – Achieved a GPA of 3.50 or higher in most recent year of full-time study

COURSEWORK

- Data Structures
- Databases and Web Technologies
- Systems Programming
- Object Oriented Programming
- Introduction to Computer Science
- Linear Algebra

SKILLS

LANGUAGES

- Python
- C
- Java
- JavaScript
- SQL
- HTML
- CSS
- MATLAB

TOOLS/FRAMEWORKS

- Flask
- JQuery
- Git
- SVN
- Github
- Unix/BASH
- Bootstrap
- IntelliJ
- Pycharm
- Vim

EXPERIENCE

UNIVERSITY OF TORONTO | Teaching Assistant
September 2018 - May 2019 | Toronto, ON

- Co-lectured to a class of approximately 150 students to teach computer science fundamentals using Python
- Hosted office hours to mentored students one on one for assignments and exams resulting in overall improvement in their grades
- Communicated with a team of TAs in meetings to provide feedback to the course instructor and help improve overall course content delivery

UNIVERSITY OF TORONTO | Research Assistant
May 2018 – May 2019 | Toronto, ON

- Used the Spinning Disk Confocal Microscope to acquire z-stacks of up to 25 cell images per day with great efficiency to assist with graduate student project data collection
- Performed image processing and analysis using Volocity to quantify osteoclasts nuclei
- Assisted graduate student project on examining the effects of cannabis on osteoclasts by fixing and staining cells using TRAP stain

SANOFI PASTEUR | Research and Development Co-Op
May 2017 - May 2018 | Toronto, ON

- Utilized Unix/BASH scripts and commands to set up the Geneious software used by the R&D department for bioinformatics analysis
- Developed multiple analytical assays using molecular biology techniques such as DNA extractions and PCR that would be used to support vaccine development
- Used critical thinking and research skills to interpret data and determine next steps in the experiment

PROJECTS

SIMPLE C SEARCH ENGINE
⬡ github.com/eltonk888/Simple_C_Search_Engine

- A CLI tool that looks for a given word in a directory containing text files and outputs in descending order, the files with the highest frequency of the given word
- Implemented in C using forks to create a process for each subdirectory and pipes for interprocess communication between the child and parent processes

CSCB20 SITE REDESIGN
⬡ github.com/eltonk888/CSCB20_Redesign

- A project to redesign and add additional functionality to the old CSCB20 website
- Additional functionality includes logging in with different user types and submitting remark requests/instructor feedback
- Used Flask and SQLite for the back end and HTML, CSS, JavaScript for the front end

WEB SCRAPING WITH PYTHON
⬡ github.com/eltonk888/web_scraping

- Scripts created to scrape lecture content off U of T course websites
- Implemented in Python using libraries such as BeautifulSoup and FPDF to look for files in HTML code and save to a pdf