

Elton Kok

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LINKS

in [linkedin.com/in/eltonkok](https://www.linkedin.com/in/eltonkok)
github github.com/EltonK888
eltonk888 eltonk888.github.io

EDUCATION

UNIVERSITY OF TORONTO

HBSC IN BIOCHEMISTRY & HUMAN BIOLOGY
2014 – 2019 | Toronto, ON
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
- Unix/BASH
- MATLAB

TOOLS/Frameworks

- Flask
- SQLite
- ReactJS/Redux
- Git
- SVN
- Github
- Bootstrap
- JQuery
- IntelliJ
- 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 mentor 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
- 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

REMINDER EMAIL BOT

github github.com/eltonk888/reminder_email_bot

- A bot that emails members of the family gym plan to e-transfer the monthly amount to the payee
- Implemented using **Python**, **Gmail API**, **HTML** and **CSS** to create and send emails
- Created an **AWS EC2** instance that uses a cronjob to run the script monthly

CSCB20 SITE REDESIGN

github 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

HACKER NEWS CLONE

github github.com/eltonk888/hacker_news_clone

- A project that dynamically fetches top and new stories from the hacker news API
- Implemented using **ReactJS** and **Bootstrap** using the fetch API to make requests