Derek Hon

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Education

2016–2020	**Brock University**, *B.Sc*, *Computer Science*.
2021–2022	**Brock University**, *M.Sc*, *Computer Science*.

Awards

2021	**Dean of Graduate Studies Entrance Scholarship**, *Brock University*.
2021	**Brian Helstrom Computer Science Scholarship**, *Brock University*.

Technical Skills

Coding & Designing	JAVA, C++, Python, Bash, HTML, CSS, JS, PHP, Batch
Programming Skills	Neural Networks, Genetic Algorithms, Multi-threading, Socket Programming(TCP/IP)
Framework	Genetic Programming (ECJ), Android Studio
Operating System	Windows, Linux
Other	Git, JIRA

Work Experience

January–December 2021	**Help Desk TA**, Brock University, St. Catharines, ON. Provide aid to students during the hours of the Help Desk.
October 2020–April 2021	**Marker/Grader**, Brock University, St. Catharines, ON. Graded assignments, and exams, along with giving feedback for two different courses from October 2020-December 2020 and January 2021-April 2021
January–August 2019	**Full Stack Developer Intern**, Tejo (Mirrabel Inc.), Toronto, ON. Re-coded the product's back-end and front-end. Updated sign up process, up-selling feature, and bug fixed existing features. Created scripts to improve work efficiency for the front-end utilizing SCSS and CSS using SFTPs to the server and bash scripts as access.
March 2019	**Freelance Developer**, DroneHub, Toronto, ON. Bug fixed the front end problems which they had outlined.
January–April 2018	**Software Developer Intern**, Hubdoc, Toronto, ON. Developed scripts which would gather and parse numerous financial documents. Added features to the intranet, specifically graph generation as well as filters for visualization on the progress.

Other Projects

January 2021 **ECJ 27 Map-Elites (Prototype)**.
Working to implement a Map-Elites search into the genetic programming framework of ECJ where version 27 is the most recent. Once implementation is completed and is confirmed to be in a working condition it will be submitted to ECJ to try and be used as an "official" library.

May 2019 **Receipt Expense Calculator(Prototype)**.
Developed a mobile application to scan receipts using the camera or importing using the user's gallery. It would store the picture in a database as well as calculate the expense from month to day and year to day based off of the receipts. If the OCR is incorrect the user would have an option to input the options by hand after the scan completed.

Other Experience

May 2020–January 2021 **President**, *Brock Photography Club*.
Created and presented a budget to the student union to acquire funding for the club. Performed risk management when organizing the events.

May 2019–April 2020 **Vice-President**, *Brock Photography Club*.
Assisted the president with risk management and budget creation. Advertised the club during the orientation week of the university.