Vanya Kootchin

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Education

Queen's University | Kingston, ON | Expected Graduation in 04/2023
Bachelor of Engineering and Applied Science: Computer Engineering

Relevant Courses: APSC 143 – Computer Programming for Engineers, APSC 174 – Linear Algebra, ELEC 278 – Fundamentals of Information Structure, ELEC 271 – Digital Systems, ELEC 279 – Object Oriented Programming, ELEC 274 – Computer Architecture

Technical Experience

First Year Representative | QMIND (Queen's AI Hub) – Kingston, ON | 09/2019 – 04/2020
- Associated with learning different avenues of organization through a dynamic leadership rotation, facets such as: Management, Partnerships, Education, and Design Team Idea Generation.
- Attended several coding bootcamps with a focus on Artificial Intelligence creation through Python.
- Also attended workshops geared towards Numpy, Pandas, and Selenium

Partnerships Team Member | QMIND (Queen's AI Hub) – Kingston, ON | 09/2019 – 04/2020
- Responsible for a list of industry representatives and the outreach associated with them.
- Collectively fundraised the Canadian Undergraduate Conference on Artificial Intelligence 2020 in Toronto, ON.
- In-person promotion of the CUCAI event during the lead up process, and direct networking address for the representatives attending the conference.

Satellite Design Team Member | QSET (Queen's Space Engineering Team) – Kingston, ON | 09/2019 – 12/2019
- Responsible for the generation of cube form satellite design ideas.
- Attended multiple workshops revolving around the use of Bash functions and GitBash integration.
- Responsible for designing small scale circuits after attending soldering workshops.

Iterative Web Scraping Project | Queen's University – Kingston, ON 12/2020 – 01/2021
- The creation of a web scraping program using a host of languages woven together through Bash, namely Python and Batch Files
- In depth discovery of the Python automation process.
- A foray into installation process by writing directly to Bash source files found on the target computer and streamlining the process through externally compiled executables.
- Manipulation of both static and dynamic HTML website responses to achieve desired result.

Work Experience

Rental Dock Operator | Sewell's Marina – Horseshoe Bay, BC | 07/2016 – 11/2018
Gas Dock Operator | Sewell's Marina – Horseshoe Bay, BC | 07/2019 – 08/2020
Background Actor | 100 Films – Vancouver, BC | 02/2015 – 02/2015

Activities and Awards

Peer Appreciation Award | Sewell's Marina | An award chosen by fellow employees for excellence and comradery, two-time winner.
Camp QMIND Winner | Queen's University | Part of the winning team of the inaugural QMIND initiation competition.
Clean Sweep Volunteer | Queen's University | A recurring volunteer opportunity for assisting seniors in the Kingston area.
Queen's University Entrance Scholarship | Queen's University | Awarded for outstanding GPA upon acceptance to Queen's.

Interests: Photography, Film Making, Mountain Biking, Chess, Tennis.

Skills

- C
- Java / JavaScript / Node.js
- Shell Scripts
- Python
- VHDL Implementation
- GitHub
- MATLAB
- NIOS II Assembly Language