CHRISTOPHER MOLLOY

INFO

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LINKS

GitHub

L1NNA Laboratory

SKILLS

Java

HTML/CSS/JavaScript

Bootstrap

R

MySQL

Python

GitHub

PHP

Linear Algebra

PROFILE

I am a highly motivated new graduate who is looking to enter the field of database management. In April 2020 I was awarded my Bachelor's of Computing from Queen's University. My area of study focused on statistics and mathematics. My choice to focus in these areas in school stems from a desire to understand and solve difficult problems. **My objective is to acquire a position in the field of database management.**

EDUCATION

Bachelor's of Computing in Mathematics, Queen's University   Kingston

Sep 2016 — Apr 2020

Relavent Coursework: Linear Data Analytics, Software Architecture, Advanced Calculus, Applied Methods of Statistics, Statistical Computing, Time Series Analysis, Data Structures, Algorithms

EMPLOYMENT HISTORY

Research Member, L1nna Research Laboratory   Kingston

Jan 2020 — Apr 2020

Selected Project Experience:

- Malware Image Signature:
  - In my final semester at Queen's University I worked with L1NNA laboratory to implement an image signature feature for their JARV1S system. JARV1S is a next generation malware detection system. A function of JARV1S is comparing files to past malware to search for similarities. One of these methods is decomposing a file to an image, and searching for similar images in JARV1S's database. I implemented the image signature generator using Python. **These image signatures are what allow JARV1S to quickly query its database for similar images.**

Algebraic Structures

Calculus

MATLAB Programming

Haskell

Prolog

C

Summer Researcher, The Lunenfeld-Tanenbaum Research Institute   Toronto

Apr 2019 — Aug 2019

Selected Project Experience:

- Tube Database:
  - I was tasked with designing and creating a new website for the institute that holds the information about the hundreds of thousands of tubes stored in the freezer system. Using php and JavaScript I created a system where the tubes information would be parsed from the freezer log files and automatically uploaded to the database. **This new website allows lab technicians to change information about stored tubes without needing the assistance of an engineer.**

Software Engineer Intern, Vouchr   Toronto

May 2018 — Aug 2018

Selected Project Experience:

- Client Page Development:
  - From given specifications from the team's graphic designer I created webpages for future clients of Vouchr to use. As well, I implemented these webpages with Vouchr's database. **These pages allow all future clients of Vouchr to easily change their application without needing to contact Vouchr.**

Laborer, J.F. Brennan Custom Homes   Toronto

Apr 2017 — Aug 2017

Assistant, Salt & Pepper Catering Co.   Toronto

Jul 2016 — Aug 2016

REFERENCES

Dr. Steven Ding

L1NNA Research Laboratory

ding@cs.queensu.ca

Dr. Jeff Wrana

The Lunenfeld-Tanenbaum Research Institute

wrana@lunenfeld.ca