

NILOFER HYDER

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EDUCATION

University of Toronto - St George, Toronto, ON
Bachelor of Applied Science in Computer Engineering

Sept 2020 - Apr 2025 (including PEY Co-op)

WORK EXPERIENCE

Intern Software Engineer in Test, Veeva Systems

May 2023 - April 2024

- ❖ Developed and maintained automated test cases using Java with Serenity and JavaScript with Cypress
- ❖ Conducted root cause analysis and implemented fixes for test case failures occurring on daily pipeline runs
- ❖ Participated in code reviews in order to ensure code quality and proper documentation

Lead Data Engineer / Python Developer, University Health Network

May 2022 - August 2022

- ❖ Resolved issues reported by users and implemented new features by updating the MS Access platform and SQL database, and presented new features to the user team in biweekly meetings
- ❖ Debugged Python scripts if they crashed or didn't function as intended

EXTRACURRICULAR EXPERIENCE

Interplanetary Space Exploration Team, *Technical Team Member*

Oct 2021 - Apr 2022

- ❖ Collaborated in a team of seven to design an autonomously navigated vehicle for transportation on Mars

NewHacks 24-Hour Hackathon, *Participant*

Nov 2021

- ❖ Innovated an integrated mark calculator and deadline tracker in a group of 4 using HTML and Javascript

Summer Research under Supervision of ECE Professor (Shurui Zhou), *Research Intern*

May 2021 - Aug 2021

- ❖ Conducted research on interdependent pull requests by writing a Python script to query and organize GitHub data

PROJECTS

APS360 Deep Learning Project

Jan 2023 - April 2023

- ❖ Produced a machine learning solution to classify blood cell images by training a CNN-RNN model in a group of 4

Engineering Strategies and Practice Project

Jan 2021 - Apr 2021

- ❖ Designed a software solution prototype in team of 6 for a filmmaker client wanting reduced film set waste

Grade 12 Computer Science Summative Project

Dec 2019 - Jan 2020

- ❖ Delivered a fully functional software teaching tool for a client (French teacher) in a group of two using Java OOP

SKILLS

- ❖ **Programming:** Python, Java, C, C++, MATLAB, VBA, Assembly, Verilog, Javascript
- ❖ **Microsoft Suite:** Word, Access, PowerPoint, Excel
- ❖ **Other tools:** Git, SQL, Cypress, Serenity, Modelsim, Typhoon HIL, Simulink, Jira, Gitlab

AWARDS AND ACCOMPLISHMENTS

- ❖ Dean's Honour List Fall 2020, Fall 2021
- ❖ UofT Faculty of Applied Science and Engineering Admission Scholarship (\$7000) Oct 2020
- ❖ UofT Edward S Rogers Sr. Admission Scholarship (\$2000) Oct 2020
- ❖ University of Waterloo's Pascal, Fryer and Galois Math Contests' School Champion June 2017, 2018