

Education

University of Toronto

Bachelor of Applied Science in Engineering Science | Graduation: April 2023

- Major: Robotics Engineering. Minor Business and Finance
- Culminative GPA: 3.68 | Dean's Honour Roll | President's Scholar of Excellence
- Clubs: You're Next Career Network, Engineering Sports Association, IEEE Toronto Branch
- Relevant Coursework: Computer Algorithms and Data Structures, Operating Systems, Digital and Computer Systems

Experience

IC Hardware Engineer | AnalogX - Rambus

Toronto, Ontario | May 2021 – September 2022

- Designed SERDES integrated circuit using Verilog – completing 100% of RTL hardware meeting tape out deadline
- Managed integration of IP across digital, analog and verification teams to achieve **\$16M** annual revenue target
- Led digital integration and verification efforts reaching **99%** code coverage within cost and schedule constraints
- Optimized chip level design and layout workflow doubling 32Gbps transmission and receiving capability
- Introduced hardware optimization feature reducing bit error rate by **9 orders** of magnitude using FEC encoding

Data Warehouse Consultant | Fidelity Investments

Toronto, Ontario | September 2022 – present

- Productionized ML models using AWS S3, EC2 and batch jobs to enable daily analysis of financial advisor performance
- Conducted EDA on Datawarehouse using Snowflake Snowpark and SQL to build client retention strategy

Software Developer | Rocscience Inc

Toronto, Ontario | May – August 2020

- Drove leading project development for (EX3, RS3, Slide3) tripling 3-feature annotation toolset
- Implemented UX/UI features using C# and .NET for product updates to **450+** Universities in **120+** countries
- Refactored library of 200+ files using Visual Studio and git leading to reduced model processing runtime by **30%**

Electromechanical Technician | Haver and Boecker

North-Rhine-Westphalia, Germany | May – August 2019

- Redesign CAM programming tools to increase the production efficiency achieving **25%** increase in part throughput
- Assemble over 30 pneumatic systems for industrial machinery within +/-1µm tolerance professional EN standards
- Expand 20000 ft² warehouse storage capabilities by prototyping a stainless-steel storage unit using CNC machining, high precision welding and sheet metal bending techniques

Leadership

You're Next Career Network | Operations & Logistics Associate

Toronto, Ontario | April 2021 – present

- Facilitated planning and execution of bi-annual career fair events for **2500+** students and **80+** companies
- Managed 20 key industry partnerships delivering logistical resources and support ensuring positive experience
- Led career workshops creating 100+ student-company engagement per event for Twitter, Google, and Facebook

Personal

Technical Skills: Verilog, Cadence, Synopsys VCS, C#, C++, python, MATLAB, AutoCAD, ARM Assembly, HTML/CSS, JavaScript

Interests: Rowing | Basketball | Cooking and Eating new foods | English, French, Chinese + Learning Spanish