CHUN LIN MIN

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Experiences

Huawei Canada as Associate Engineer *2021 May – 2022 Aug*

C++, Python, Perl, SVN

- Contributed improvements in QoR, memory, and runtime for FPGA toolchain with focus in router stage
- Worked with placer and timing team on cross-team functionalities
- Summarized and presented key findings from research papers and identified actionable ideas

Huawei Canada as Assistant Engineer (Co-op) *2020 Sept – 2020 Dec*

Python

- Assisted with research on FPGA architecture
- Designed scripts to automate testing, data collection, analysis, and visualizations for new device architectures
- Worked with toolchain team to create a workflow for architecture exploration
- Examined nearly 100 different variations of architectures and presented the results to the team

Huawei Canada as Assistant Engineer (Co-op) *2019 Sept – 2019 Dec*

C++, Qt

- Took ownership of an in-house tool used for research
- Communicated with users to establish requirement and specifications for new features
- Optimized performance with up to 90% run-time reduction for user workflows

Avenza as C++ Desktop Developer (Co-op) *2019 Jan – 2019 Apr*

C++, Qt, Git

- Designed and developed new features using QT framework
- Assisted QA team with UI testing
- Presented a proof of concept using WiX installer for Windows users

Aquantia as Digital Verification Intern *2018 May – 2018 Aug*

SystemVerilog, Perl

- Designed tests to verify module connectivity within chip design
- Fixed 60% of compilation warnings
- Refactored code to adhere to the IEEE language reference manual for SystemVerilog

Education

University of Waterloo

Bachelor of Applied Science - Electrical Engineering *2016 Sept – 2021 Apr*

- Graduated with distinction - 89.58% cumulative average

Master of Engineering - Electrical and Computer Engineering *2022 Sept – 2023 Dec*

- Courses:
  - Foundations of Software Engineering
  - Methods & Tools for Software Engineering
  - Tools of Intelligent System Design
  - Reconfigurable computing
  - Digital Integrated Circuits
  - Biosensing: Fundamental & Application
  - Robot Dynamics & Control
  - RTL digital systems