

WEBSITE

mirokuratczyk.github.io

MOBILE

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EMAIL

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ADDRESS

71 Bernard Ave., Toronto, ON

MIRO KURATCZYK

software / hardware / advertising / producing / mixing

Bachelor of Applied Science and Engineering

University of Toronto, Department of Electrical and Computer Engineering

Degree Completed: December 2015, Convocation: Spring 2016

EXPERIENCE

AMD

Verification Engineer
Toronto ON, CANADA
May 2012 - August 2013

- Played a key role in the company rebranding process by independently constructing the tagline that is now used globally by AMD
- Maintained ownership of a testsuite focused on verifying dataflow through the system on multiple large-scale projects
- Lead a focus group in implementing a testbench overhaul with OVM
- Position required an in-depth understanding of various IPs (including PCIe) and their interactions on a system level

University of Toronto + Toronto Workers' Health & Safety Legal Clinic

Team Member
Capstone Project
September 2014 - April 2015

- Developed a startup which would provide a service that allows companies to identify and monitor any hazardous airborne chemicals employees are being exposed to both qualitatively and quantitatively
- The service pairs M908 handheld mass spectrometers with a centralized database where all detection data is regularly uploaded for future analysis
- After identifying a market for this service we flushed out a business plan for a startup which explores provincial grants and other avenues of accruing startup capital

DRUHC

Web Developer
Toronto ON, CANADA
July 2011 - August 2011

- Project leader for the complete redesign of company website
- Lead a focus group in conceptualizing and constructing the new website
- Developed an application to automate the transfer of content to the new design
- Scheduled weekly meetings with executive director to track project progress

Familiar with

- Computer Security (ECE568) + NIST Cybersecurity Framework + SSL + OAUTH
- Compilers and Interpreters (CSC467) + Flex + Bison
- Computer Architecture (ECE552) + Inst./Data/Thread-level parallelism + Cache + VM
- Distributed Systems (ECE419) + MapReduce

TOOLS

GIT, AWS

GDB, VERDI

DOCKER, VALGRIND

PROGRAMMING LANGUAGES

C (+assembly)



SQL (+alchemy)



PYTHON (+flask)



VERILOG



HASKELL



JAVA



INTERESTS

- Music (self-taught mixer, producer and artist)
- UofT Documentary and Discussion Society Administrative Director (2013 - 2015)
- SkateLife Canada Skateboard Club (2003 - Present)