

Robert Zhu

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Advanced Micro Devices, Inc.

Technical Marketing Specialist — Jan 2019 - Present

- Wrote test automation in Python to measure performance on the Radeon graphics product line and relevant competitors
- Assume lead developer role, making executive decisions and implementing test automation’s backend, including test run management, account token databases, and data analysis tools
- Wrote automation tools for data analysis and reporting
- Project: utilized newly received training in python database tools to redesign automated account token check-in/check-out framework
- Project (in progress): implement version control + CI/CD system for automation package using Git and in-house scripts to deploy to 50+ endpoints in test lab

Faculty of Arts & Science, University of Toronto

Client Services — Summer 2017, Fall 2018

- Played key desktop engineering role in rollout of Windows 10 across A&S faculty

Department of History, University of Toronto

Web Administrator — Fall 2015, Fall 2016 – Winter 2017

- Led project to take over maintenance and development of GRASAC Research project’s Drupal website

Chinacache NA Inc.

Network Operations Intern — June 2014 — August 2014

- Created automation for reporting health of worldwide webcache server nodes
- Managed remote virtual Linux webserver software; performed VM installation and configuration

Bluetooth Item Tracker Tag (Final Year Project)

- In a team of 4, built a functional prototype for a Bluetooth tracking tag, linking hardware and software over the Bluetooth 5.0 stack
- Led the development of the hardware prototype, writing firmware code to track battery level, process signal fluctuations to determine distance to device

Interactive Map

- Built navigation software (in C++), with interactive UI in a team of 3
- Took leadership role in implementing map data structures and path-finding algorithm (Dijkstra and A*)
- Optimized performance for accessing large amount of map data in real-time UI (OpenStreetMaps)

University of Toronto

Bachelor of Applied Science

Electrical Engineering

Graduated June 2018

Coursera

Introduction to Machine Learning

(In Progress)

Experienced Platforms

Linux (CentOS, RHEL, Ubuntu)

Git/GitLabs

Drupal

PostgreSQL

Virtualbox/Hyper-V

Docker

Programming Languages

Python

Bash

C++

Verilog/VHDL

Java

Perl

Numerical Software

MATLAB

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Octave

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