

Daniel Chu

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EDUCATION

UNIVERSITY OF TORONTO
H.B.SC IN COMPUTER SCIENCE
Expected May 2022

LINKS

Github:// [daffychuy](#)
LinkedIn:// [daffychuy](#)
Website:// [daffychuy](#)

SKILLS

LANGUAGES

Java • Javascript • Golang
C • C++ • PHP
Python • HTML5

TESTING TOOLS

Postman • UnitTest

FRAMEWORKS

React.js • Node.js
Express • JQuery
AJAX • Gin

PLATFORM

AWS

INFRASTRUCTURE

Docker

WEBSERVERS

Apache • Nginx • Caddy

DATABASES

MySQL • Postgres • MongoDB

SOURCE CONTROL

Git

TOOLS

JIRA • Github • Gitlab

AUTOMATIONS

Python • Shell • Powershell

INTEREST

Guitar
Badminton
Anime
Servers

EXPERIENCE

SOFTWARE ENGINEER INTERN | [ADVANCED MICRO DEVICES, INC](#)
May 2020 - May 2021

- Achieved close to 80% of all issues caught in our testing phase as measured by JIRA tickets count by creating new or improve on automation programs written in Python and Powershell for testing driver on CPU/APUs.
- Performed both manual and automation testing for drivers on different chipsets.
- Developed professional communication skill by working closely in a team of 10 and interacting with developers directly to find regression points.

TEACHING ASSISTANT | [UNIVERSITY OF TORONTO MISSISSAUGA](#)

- CSC108 (Fall 2019 - Winter 2021): Taught students on concepts of what they learned in class and put emphasis on the harder materials which deemed helpful in their weekly practical exercises.
- CSC148 (Fall 2020 - Summer 2021): Lead a team of marking TAs to mark roughly 500 students' assignments and participated in active learning lecture to answer students' questions.
- CSC207 (Fall 2020 / Winter 2021): Developed course website, assignments and pre-lecture quizzes for students to view and use as well as taught Java and OOP to students during labs.

PROJECTS

UTM TA APPLICATION WEBSITE | [UTAPCSC.UTM.UTORONTO.CA](#)

- Developed a web app using Reactjs, Nodejs, Express and PostgreSQL for UTM's future Teaching Assistants' to apply and professor to view all different courses' application.
- Designed the application with MVC model to allow multiple developers to develop easily

ANONYMOUS JOB APPLICATION APP

- A project part of Google's Developer Student Club Project built with Nodejs, Express, PostgreSQL, Firebase for backend and Flutter Frontend.
- Developed a web-based app that allows applicant to apply for job without gender and race bias as well as allow recruiter to view and recruit applicant as seen fit.

ACADEMIC PROJECTS

LINUX FILE SYSTEMS IMPLEMENTATIONS | [OS PROGRAMMING](#)

- Implemented ext2 File Systems operations such as mkdir, rm, cp using C.

PARALLEL IMAGE PROCESSING | [PARALLEL PROGRAMMING](#)

- Implemented an image processing algorithm using various Gaussian filters and compute in parallel with POSIX threads using C++.