

Dominic Fung

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Experience

Facebook

Software Engineer

Menlo Park, California

March 2020 - Present

Software Engineer Intern

June 2019 - August 2019

- Upgraded a network traffic analysis tool to be able to target requests at specific load balancers in the Facebook CDN.
- Optimised a multiprocessing program and reduced its run time by 95% (from 11 minutes down to 30 seconds).
- Implemented a module to detect sanity test regressions caused by configuration changes.

Optiver Asia Pacific

Operations Software Development Intern

Sydney, Australia

March 2019 - May 2019

Application Engineer Intern

November 2018 - February 2019

- Optimised an internal monitoring system's data model and scraper to cut processing time by 70% (from 10 minutes down to 3 minutes).
- Created an automated Confluence Wiki Format to Markdown transpiler in Python.

WipeHero

Software Engineer Intern

Sydney, Australia

November 2017 - January 2018

- Implemented a bot to handle customer bookings and payments made via SMS.
- Simplified the washer allocation process for the Operations team by building a new system to assign jobs to washers.

University of New South Wales

Casual Academic - Tutor, Faculty of Computer Science and Engineering

Sydney, Australia

July 2017 - December 2018

- Tutor for COMP2521 Data Structures and Algorithms (18s1).
- Assistant tutor for COMP2041 Software Construction (17s2, 18s2).

Education

University of New South Wales

B. Science (Computer Science) with Distinction

Sydney, Australia

March 2016 - December 2019

Projects

delta

Second Place - Facebook Sydney Hackathon 2017

April 2017

- Web app to help keep track of assignments and coursework by automatically extracting information from course pages.

poOrganiser

First Place - UNSW CSESoc Hackathon 2016

October 2016

- Extensible event organisation framework with a Discord interface implemented.

Volunteering

NCSS Challenge - Tutor

Beginner, Intermediate and Advanced Streams

August 2017

Taught primary and secondary school students programming skills in Python.

Skills

Languages

Main: Python, JavaScript, C, Java

Limited experience: PHP/Hack, C++, Haskell, Perl

Tooling/Frameworks

Web development: React, Flask, node.js

Other: Docker, Git, Mercurial, Bash, SQL, \LaTeX