

Danny Guo

GitHub: <https://github.com/dannyg97> - Mobile: 0435 340 278 - E-mail: danny.guo97@gmail.com

EDUCATION

Bachelor of Computer Science
UNSW

Jan 2016 – May 2020

EMPLOYMENT

Full Stack Web Developer Intern

Jan 2020 – Current

Gecko

Languages used: PHP, MySQL, HTML, CSS, JavaScript

- Delivered efficient and scalable code for a large scale e-commerce platform, decreasing mySQL query times by 12%
- Accelerated feature implementation and deployment amongst other software interns through mentoring them on web development fundamentals and best practices when using Git
- Improved customer experience through the implementation of quality of life features such as product statistics and form persistence using PHP
- Liaised with designers, clients, and other software developers to improve quality and accessibility of website for customers

Python Tutor

Feb 2019 – Jan 2020

BitByBit Education

Languages used: Python

- Facilitated coding skill development within high school students through Python teaching
- Assessed student needs and designed tailored lesson plans addressing key areas of concern
- Increased understanding of Python concepts through transforming challenging concepts into simplified examples
- Promoted as a casual tutor after exceptional performance as a volunteer teaching assistant

PERSONAL PROJECTS

Wikia WebScrapper Discord Bot

November 2019

Languages used: Python

- Developed a Discord chat bot that responds to specific commands and scrapes the relevant Wikia article
- Implemented a web scraper in Python with BeautifulSoup 4 to extract relevant key metrics from wiki pages
- Used Python with discord.py, a Python API wrapper for Discord, to create a REST API that conforms to the Discord schema

Portfolio

August 2019

Languages used: HTML, CSS, JavaScript

- Designed and coded a responsive webpage from the ground up to gain experience with front-end development and to broaden personal skillset
- Used Bootstrap to improve design and layout of the webpage and Javascript's jQuery library for animations

Euclidean Vector

Jul 2019

Languages used: C++

- Created a full implementation of a Euclidean Vector library, including constructors, destructors, methods and operators
- Performed rigorous unit testing on each function to ensure correctness and reliability using C++'s Catch2 testing framework

EXTRACURRICULAR ACTIVITIES

Project Manager

May 2019 - Jun 2019

STEM Leaders Program

- Utilised Python's OpenCV library for image recognition, Splunk for visualising data, and AWS as a remote host for Splunk
- Managed a team of 5 software developers to create a virtual replica dashboard based on a physical dashboard
- Employed agile methodologies to ensure a smooth software development process throughout the duration of the project
- Undertook an intensive 4-day training workshop to develop skills such as critical thinking and project management

Participant

Sep 2018

UNSW CSESoc Student Struggles Hackathon

- Collaborated with 2 other team members to create a website that showed a student's progress throughout a degree and possible course pathways
- Delegated tasks to team members as the team leader to ensure that the project would be completed on time
- Used Python to host a local Flask instance and to scrape the UNSW handbook to extract pre- and post-requisite courses for a certain course

PROFESSIONAL SKILLS

Back-end languages: Python, C++, PHP, Shell, Java, Perl

Front-end languages: HTML5, CSS, JavaScript, Dart

Frameworks and tools: Splunk, AWS, Laravel, Bootstrap, GitHub/BitBucket, JIRA, Flutter, MySQL, Lighthouse