

Khayle Torres

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in <https://www.linkedin.com/in/khayle-torres-6951011bb/> 🐙 github.com/kt1719

Professional Experience

Software Engineering Intern

04/2022 – 09/2022

THG

Manchester,

United Kingdom

- Worked on the R&D team on Full-Stack Dev, Dev Ops and Systems Design topics
- Nominated for Intern Of The Quarter 🏆
- Assisted in speeding up the site by 6x which interested the CTO of THG (Performed a demo on my work)
- Assisted in automated performance testing using Cypress, Chrome profiling and Calibre

Remote Academic Tutoring

10/2020 – 10/2021

Mytutor 🏆

London, United Kingdom

- Tutored multiple students in STEM related subjects. Primarily focused on Maths in both A level and GCSEs

Internship

07/2018 – 08/2018

OTM Servo 🏆

Surrey, United Kingdom

- Used CAD software to model a specific part of an actuator to get a better idea of model design
- Helped with the machinery and assembly of components

Awards

Real Impact Hack (Runner Up) 🏆

ICHack 2022 - Largest student run hackathon in the UK

- Worked with a team of 5 to create a mobile app that allows users to report public incident discretely.
- A Detectronv2 is trained on our dataset and fine tuned working with a React native + expo mobile web app.

Education

MEng Electrical and Information Engineering

09/2019 – present

Imperial College London 🏆

London, United Kingdom

- First Year: 60.64 (Second Class)
- Second Year: 70.08 (First Class)
- Third Year: 73.99 (First Class)

A Levels

09/2017 – 06/2019

St Pauls Catholic College 🏆

London, United Kingdom

- Further Maths - A
- Maths - A*
- Physics - A

Projects

C to MIPS Compiler 🏆

02/2021 – 03/2021

- Lexer designed from scratch, Parser heavily influenced by ANSI C Parser
- Uses Flex, Bison, Make and C++ for the contents

MARS Rover Project 🏆

05/2021 – 06/2021

- Combines multiple subsystems in order to make a fully autonomous Rover that can detect objects, send encrypted data to and from a server, and be controlled remotely using distance calculations or remote control

REST API Solo Project 🏆

02/2021 – 03/2021

- Created a fully functioning backend service with a RESTful API that can provide on Pilot scheduling
- Made with .Net 5 SDK framework and coded in C#

MIPS CPU 🏆

- Created a MIPS CPU using Verilog
- Created Avalon Memory mapped interface to be used in conjunction with the CPU

Skills

Programming Languages

- C++ / Matlab / Python / Verilog / F# / C# / Nuxt / Vue2 / HTML / Tailwind / Javascript (Advanced)
- C / MIPS & MU0 Assembly / Flex / Bison / Yacc / Lex / Optimization algorithms / SQL / CSS (Intermediate)
- HTML5 / REACT Expo + Native / PHP (Beginner)

Other Skills

- Linux, Github, Bash scripts, Computer Vision Machine Learning, Neural Networks, AWS, Quartus Prime Lite
- Good with Physics scripting, Animation, UI in Unity
- Fluent in English and Tagalog