

Quang Nguyen

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Work Experience

Cisco (Webex)

London, UK

Software Engineer Intern C++ Qt QML TDD Agile

June 2021 – September 2021

- Working with multi threaded asynchronous C++ applications along with Qt application containing a mix of C++ and QML. My work heavily followed Test Driven Development to ensure a smooth and reliable manual test on real devices
- Contributed directly to production code that will be released to Cisco's customers.

FPT Software

Ho Chi Minh, Viet Nam

Software Development Intern JSP Spring Java Restful API MySQL

July 2020 – September 2020

- Worked on a Rest API using Spring framework. Responsible for the front-end of the application and integration between front-end and back-end.
- Unit testing is one of the most important aspect of the project.

Education

University of St Andrews

St Andrews, UK

BSc (Honours) Computer Science and Mathematics

September 2019 – June 2022

- One of 18 students eligible for direct entry into second year.
- **First Class (Deans' List 2019/20)** in 2nd and 3rd year
- Relevant courses: Computer Systems, Computational Complexity, Operating Systems, Distributed Systems, Constraint Programming, Number Theory, Combinatorics & Probability, Calculus.

Rossall School

Fleetwood, UK

A-level (Mathematics A*, Further Mathematics A*, Physics A*, Computer Science A)

January 2018 – June 2019

Projects

• Founded Competitive Programming St Andrews Python C++ Data Structure Algorithm

- Hosted weekly online contests to help students improve their **Competitive Programming** skills
- Conducted **over 60** weekly contests with new original questions with test cases and editorials

• Stegami Mathematics Java Swing Steganography

- Stegami was built during a short period of 24 hours, despite having little experience with steganography.
- Our product is a java desktop application that allows users to hide an image into another with minimal visible alterations to the carrier image.

• Mandelbrot Set Explorer Javascript Mathematics & Statistics Fractal Multithreading

- A responsive web page, which displays successive magnifications of the Mandelbrot Set.
- Use web worker to run the intensive computations while maintaining the previous calculation to respond to users without latency.

Awards And Achievements

- Tied **2nd** Place – Facebook UK & Ireland Hack 2020
- **1st Prize** – G-Research Coding Challenge
- **32nd** worldwide out of **935** – GSA coding competition ultra 2020
- **8th/3000** – National Cipher Challenge, one of 177 teams managed to decrypt all 10 cipher challenges.
- **Merit / Gold Medal** – UKMT, Senior Kangaroo / Mathematical Challenge

Skills

- **Programming Languages:** C++ (3+ years experience), **Java/Python** (2 years experience)
- **Tools and Frameworks:** Git, React, Flask, Spring, Jira, CI/CD