

# Anthony de Cruz

## Computer Science Student

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References available upon request

### PROFILE

A second-year BSc computer science student with strong team-based skills developed both during my degree and in extracurricular roles. I am seeking to apply for an internship in software engineering.

### TECHNICAL SKILLS

#### Java, Python, Rust, C/C++ | Object Oriented & Procedural Programming

- Self-taught in languages Python and Rust and have made graphical applications, games, and command line tools in them. I learned Java at university and made a toll road management system for my coursework. I am currently learning C/C++.

#### HTML/CSS/Java Script | Foundational Web Development

- Learned at university. Having made a few basic websites, I have a solid foundational understanding of web development.

#### SQL, Postgres | Relational Database Design & Management

- During my databases module at university, my coursework involved designing and developing a relational database for an airline booking system.

#### Git | Version Control

- Largely Self-taught, this management skill helped me massively in both my coursework and personal projects.

#### Command lines w/ tooling, Linux/Unix environments, and virtual machines

- Having installed, configured, and daily driven several different instances of Linux in my own time, I have a solid understanding of operating systems and virtualisation.
- Through this, I have also developed a good understanding of concepts like package management, scripting and configuration.

#### Embedded Systems

- With my own Raspberry Pi 4b single board computer and RPi Pico, I learned about the world of embedded computing projects such as an ad-blocking DNS sinkhole.

### KEY SKILLS

#### Initiative through communication

- I am not afraid to delegate tasks and keep the team focused. This proved to be effective when we got firsts in all of my university group coursework.

#### Analysis

- An important part of coursework is reading the brief and consolidating the information in a concise way.
- My diligent eye for detail is an asset when tackling challenging work, both in education and work.

## Presentation Skills

- Having now done multiple presentations in front of large groups, I attained the confidence to share my ideas in a work environment.
- One of these presentations include my first end of year synoptic project where we had to talk about our project and demonstrate it.

## EDUCATION

### **BSc (Hons) Computer Science** - University of East Anglia, 2022 - PRESENT

- Demonstrated competency by getting ~70% across all 1st year modules and am looking to get a 1st class degree.
- Notable modules from my second year include: Software Engineering, Analogue & Digital Electronics, Programming, Embedded Systems, and Data Structures and Algorithms.
- Notable modules from my first year include: Web Development, Programming, Databases.

### **A-Levels** - Haydon Sixth Form, 2020 - 2022

- B in Computer Science, C in Physics, Distinction in IT.

### **GCSEs** - Haydon Secondary School, 2018 - 2020

- 8 GCSEs 9 - 4 including a 6 in Maths and English.

## EXPERIENCE

### **Charity Event Organising and Running, Online** - 2021

- Amidst the Covid-19 pandemic, me and 3 other friends organised a charity event to raise funds for Covid wards with the Imperial Health Charity.
- Organising the event of 40 or so people was challenging as it was very much a first for me, but in the end, we raised over £700, more than double our original goal of £300.
- Learning this on the fly was a real time of growth for me; quick thinking and keeping a cool head paid off, as the event was a success.

### **Gardening, Volunteering, Pinner** - 2017 - 2022

- I identified that some of my elderly neighbours struggled maintaining their gardens, particularly with hedge cutting, so I offered my help.
- By identifying problems, I learned to solve them. I also engaged with time and resource management skills.

## INTERESTS

### **Technology & Programming**

- I like to keep up with different fields of computing, such as open-source software, single board computers, development, and desktop hardware.
- In my own time, I have learned basic CPU architecture, going so far as to design my own 8-bit CPU and begin creating it in simulation software and a video game.

### **History**

- Mostly relating to 20th century military and political history, I enjoy reading and learning about the events and breakthroughs that made the modern world what it is today.

### **Painting**

- I enjoy painting miniature models. I find the creative outlet to be therapeutic.