Nathan Wise

Student

SUMMARY

I am a student at Debden Park Sixth Form, currently studying: Computer Science, Maths and Further Maths. I developed a passion for programming in Year 7 and have continued growing my skills ever since.

EXPERIENCE

2020   **alwaysAI Bot**

For 3 months, I co-developed a Discord bot for alwaysAI. This bot allows users to run alwaysAI's deep vision models from within Discord. They can also view documentation and model information using the bot. A blog post about it from alwaysAI was created. The GitHub repository can be viewed here.

Takeaway - collaborated with another developer, utilised Git Branches, used a CLI based lib, worked directly with a client.

2020   **Young Professionals Work Experience**

- Working alongside global companies including; EY, PwC, Vodafone, HSBC, CGI and many others
- Getting involved in conversations, discussions and actively contributing to the webinars and workshops delivered by the company leaders
- Learning how to network, building confidence in the work place and having an overall better understanding on the working world
- Developing my commercial awareness and being exposed to new and innovative technologies such as AI, robotics and IoT
- Understanding how technology is going to impact the future of work and the rapidly evolving GIG economy

2018 - Present   **Gunpowder Park Run Volunteering**

Since 2018, I have regularly volunteered at the weekly local park run. This involved me undertaking various roles to help out where I can. A summary of my volunteering can be seen here.

Takeaway - worked with a team, helped out a large number of people, critical thinking, time management, organisation skills

2020, 2018   **Mentoring**

In Year 10, I volunteered to become a reading mentor. In this role I would help support a Year 7 student who had been struggling with reading. Once a week, during my form time, I would go down to the LRC to listen to the student read. I would then give guidance on how they could improve based on their performance.

In Year 12, I was given the opportunity to mentor a GCSE student who was struggling with maths. The purpose of the job was to help reinforce gaps in their knowledge. Before each lesson, I spent time creating hour lessons tailored towards resolving these gaps and revisited old gaps to make sure that the student continued to revise them. I saw significant progress with the student over the time I mentored them.

Takeaway - leadership skills, time management, organisation

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GitHub: WiseNat

Stack Overflow: WiseNat

LinkedIn: Nathan Wise

INTERESTS

`<>` Programming

♪ Listening to Music

✏️ Drawing

✖️ Gym

🚗 Learning to Drive

TECHNICAL SKILLS

Languages: Python, Kotlin

Version Control: Git, GitHub

Web Technologies: HTML/CSS, JS, Flask, BeautifulSoup

Software: Pycharm, GitKraken, Android Studio

Other: SQLite3, JSON, alwaysAI

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2018   **NHS Work Experience**

In Year 10, we had a weeks work experience with the intent of observing somebody working. At the NELFT (NHS) podiatry service in Redbridge and Waltham Forest, I was given the opportunity to solve an ongoing problem they were experiencing with their rotas when booking clinical rooms. I overhauled their entire excel rota and made a macro to alert them when they overbooked.

Takeaway - worked for a client, applied existing programming knowledge and used a new language (Visual Basic)

2018   **Debden Park Open Day Volunteering**

At the start of Year 11, I volunteered to help at my schools open day in the computer science section by request of my Computer Science teacher. During this I answered questions from visiting parents, set up activities on the computers and monitored the computers to prevent them sleeping.

Takeaway - teamwork

PERSONAL PROJECTS

2020 - Present   **Remote Controlled Camera**

For my A-level computer science coursework, I am currently making a remote controlled camera. The idea is to use an Android App to control a camera on a multi-axis servo mount linked up to a Raspberry Pi 4B. This project is nearing completion and is currently undergoing UX testing.

Takeaway - worked with a variety of new technologies, fully followed a SDLC

2020   **Quote Bot**

In my spare time I created a Discord bot that takes a random message's content from a specified channel and reposts that content with text formatting. The repository for this can be seen here.

Takeaway - first time creating a modular project, used hot loading

EDUCATION

A Levels, Debden Park Sixth Form, 2019-Current

Studying: Computer Science, Maths, Further Maths

AS Levels, Debden Park Sixth Form, 2020

- Further Maths - B

GCSEs, Debden Park High School, 2014-2019

- Maths - 9
- Computer Science - 8
- Physics - 8
- Biology - 8
- Chemistry - 7
- Geography - 6
- English Literature - 6
- English Language - 5

QR CODES

alwaysAI Blog Post

alwaysAI Bot Repository

Gunpowder Park Run Volunteer Summary

Quote Bot Repository

GitHub Profile

Stack Overflow Profile

LinkedIn Profile