

# Ferdinand Theil

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## Personal statement

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I have 2+ years experience publishing software online and I have familiarised myself with important industry technologies and software.

These include:

- Development of test frameworks
- Automatic testing
- Version Control

Furthermore, I have experience managing and collaborating on software which has taught me to effectively work in a team using an asset-based approach.

Recently, I have been working with openCV and numpy for 3D tracking of leds in Python.

Finally, I have built a small home lab by using docker and proxmox to virtualize my applications that I'm running.

## Key Skills

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- Git / Version Control including running my own git server @ [git.blotz.dev](https://git.blotz.dev)
- SQL and other relational databases for self-written applications
- Running and creating docker images in a homelab environment
- Daily driving Linux and experience with Linux servers in homelab and cloud
- Python programming for 5 years

## Employment History

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### Freelance Programmer

Self employed

*(Jul 2022 - Present (3 months +))*

Upon request, I have been programming applications at a cost. Such applications include Web Scraping and sorting data into an excel spreadsheet, or writing a discord bot application which works with an SQL database. This taught me how to document the process of code writing and how to establish and meet the project goals. Furthermore, it helped me improve my communication skills as I had to communicate technical details in an understandable way.

### Food Runner

The Cross at Kenilworth

*(May 2020 - Jul 2020 (3 months))*

I worked at a Michelin-star restaurant, closely supporting my colleagues in a high pressure environment. My responsibilities included table preparation and serving customers. This experience taught me to communicate clearly in a professional environment and the importance of responsibility and work ethic. I was also responsible for cleaning and setting the restaurant, which

has taught me to manage time and balance priorities efficiently. This role gave me the skills to work under pressure as a team.

## **Youth Programme Leader**

The Kenilworth Youth Club

*(February 2019 – June 2021)*

Achievements and responsibilities:

I volunteered at my local Youth Club, working with young people and investing in my community. My responsibilities included running a snack shop, which taught me to process sales using mental math and manage stock. I am also responsible for safeguarding young people who use the service i.e making the environment safe and building relationships. This role developed my interpersonal skills and I can interact with professional integrity with service users, staff, and the community.

## **Education**

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### **Swansea University**

Bachelor of Science - BS, Computer Science

*(2022 – 2025)*

Year 1 average of 76% including 88% in Programming Modules and 82% in Concepts of computer science.

### **Kenilworth School and Sixth Form**

A level

*(2019 – 2022)*

3 A levels 's A-B (7-6) in Computer Science, Maths and Physics.

### **Kenilworth School**

GCSE

*(2017 – 2019)*

12 GCSE's A\*-C (8-4) including 8s in Maths, German, Physics and Computer Science and 7s in Further Maths, Chemistry.

## **References**

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References are available upon request.