

# ***Curriculum Vitae***

**Aiden Isik**

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**Dundee, Scotland**

## **About Me**

I am an aspiring software developer and reverse engineer, passionate about software freedom and advancing technology which serves humanity. I can be self-driven, quick to pick up new skills, capable of coordinating with others/working in a team effectively to achieve goals, and good at meeting deadlines. I am also quickly adaptable to changes and can multitask, and work under pressure, efficiently. Over the years I have developed a skillset in low-level programming with languages like PowerPC assembly and C, and I've picked up some binary format and ABI reverse engineering skills as well. With these skills I have been involved in working on several custom toolchain projects, along with writing other software in languages like Bash and Scheme. My hope is to find work in libre/open-source software development of close-to-the-metal software once I have completed my degree.

## **Key Skills**

- Extensive experience in several programming languages, including C, Bash, and Scheme
  - I have used C for the majority of the software I have written successfully, I use Bash extensively for simple scripting tasks, and I configure my operating system in Scheme.
- Long-term experience in the management and configuration of Linux-based systems
  - I daily drive a Linux-based system, have done a considerable amount of configuration over the years, and administer a server based on the LAMP stack.
- Familiarity with compiler backend modification
  - I have done work on both the GCC and LLVM PowerPC backends to adapt them to output code for the Xbox 360.
- General problem solving
  - I have had to employ problem solving skills many times whilst working on projects, especially when reverse engineering.

## **Education**

09/2024 (in progress): University of Dundee - Computer Science BSc (Hons)

Degree: Computer Science BSc (Hons)

I have been studying Computer Science here for the past year, and have studied many different modules in this time. These were:

- Intro to Software Development
- Mathematics for Computer Science
- Professional Skills in Computer Science
- Unix Systems
- Front End Web Development
- Embedded Development and Networking
- Intro to Data Structures and Algorithms
- Computing and Society

These have served as a solid foundation and filled in any knowledge deficits I may have had for further study and work in the Computer Science field.

08/2018 - 04/2024: Carluke High School

- Physics (N5 A, Higher A, Advanced Higher B)
- Chemistry (National 5 A, Higher A, Advanced Higher B)
- Mathematics (National 5 A, Higher A)
- Computer Science (National 5 A, Higher A, Advanced Higher C)
- English (National 5 A, Higher B)
- Spanish (National 5 A)

## **Employment History**

04/2024 - 08/2024: R&W Scott Ltd - Nightshift Production Operative

Main roles and responsibilities:

- Working as part of a team to meet production targets
- Lone work on my designated line
- Keeping the line acceptably clean and tidy
- Operating packaging equipment without delay
- Keeping on top of paperwork and hourly safety tests

## **References**

References are available on request.