Ethan Campbell

ethan.goat17@gmail.com

Personal statement

A conscientious and inquisitive individual whose previous studies in Astrophysics led to a passion for quality software development. Currently seeking a new position as a Software Developer.
My previous studies in Maths, Physics, Astronomy and Computer Science have allowed me to independently develop a multitude of complex software applications including a suite of packages with over 600 downloads on crates.io used for generating cryptographically secure RSA keypairs and encrypting / decrypting files / messages. My independent learning: demonstrated by my portfolio, shows that I can quickly adapt to and become proficient in any language or framework.

Key Skills

- Python: pandas, numpy, Django, tensorFlow, keras,
- Rust
- C++: JUCE, imgui,
- SQL: postgres, mysql,
- Javascript: React, Vue, responsive SPA
- Developed a social media webapp using Django framework as a REST-api to connect to a postgresql database and serve the content to the user on the frontend via a react / vue responsive spa
- Spotbook: a social media webapp I created using djangi-rest-framework connected to a postgresql server for the backend and react framework for a responsive front end
- Rsa-rs: a rust rsa encryption package for the purpose of 1024 bit rsa keygen and encryption / decryption, published on crates.io
- Qwantum: a 1d time independent schrodinger equation solver written in python
- Graphics programming: OpenGL, WebGPU, WebGL,
- Webscraping: Selenium, BeautifulSoup,

Employment History

Wineflair, Belfast: Shop staff.

(Nov 2021)

- Serving customers
- Cleaning the store
- Taking inventory and maintaining stock
- Handling money
- Closing the store

The Stokers Halt Bar and Restaurant, Belfast: Bartender and waiter.
(June 2019 – Aug 2019)

Achievements and responsibilities:
:

- Maintaining a clean bar and front of house
- Taking customers orders
- Waiting tables
- Making drinks / cocktails
- Keeping inventory

Cyprus Avenue Restaurant, Belfast: Kitchen porter.
Dec 2018 — Mar 2019
Achievements and responsibilities:

- Cleaning dishes / kitchen
- Chopping vegetables
- Working under time pressure
- Working in high tempo stressful environment

Education

University of Glasgow –
(September 2018 – December 2020.)
Physics with Astrophysics
Passed and completed 1st year – deferred during COVID.

Our Lady and St Patrick's College Knock — Belfast
(2018)

A Levels

A Level Physics A*
A Level Mathematics A
A level Further Maths A

GCSE

GCSE Maths A*
GCSE Further Maths A*
GCSE Physics A*
GCSE Chemistry A*
GCSE Engineering A*
GCSE Religious Studies A*
GCSE Biology A
GCSE English Language A
GCSE English Literature B
GCSE Learning For Life and Work B
GCSE French B

Hobbies & Interests

A large interest for the past 13 years had been skateboarding. I have been able to combine this interest with community work to build a skatepark in the local park. This has helped me develop

an ability to work with others as well as utilising my analytic and problem-solving skills. My interest in skateboarding has also led to opportunities to feature in published works like skateboarders' companion, which has further developed my understanding of commercial marketing.
-Music
-Software/astrophysics

References

References are available upon request.