

Joel Adams

COMPUTER SCIENCE · ARTIFICIAL INTELLIGENCE

Bristol, UK

07729430577 | joelucadams@gmail.com | joeladams.dev | JoelLucaAdams | joellucaadams

Skills

Front-end	HTML 5, Javascript, Typescript, React, next.js
Back-end	Node.js, Django, REST API, SQL, PostgreSQL, MySQL, Apache2, Flask
Programming	Java, Python, C, C++, C#, .NET, LaTeX, Javascript, Typescript
DevOps	GCP, Docker, Jenkins, TravisCI, Bitbucket
Operating systems	Windows, MacOS, Linux (Debian, Ubuntu, Raspbian, Manjaro)
Languages	English, Italian (Fluent), French (basic)
Interpersonal skills	Public Speaking, Problem solving, Team building, Teaching, Presentations, Leadership

Experience

Full Stack Developer

Southampton, UK (Flexible)

FILAMENT SYFTER (FORMALLY FILAMENT AI)

Nov. 2021 - Current

- Maintained and developed the backened and frontend for the product working in MySQL, Typescript, React and Node.js
- Key achievements include the complete rework of the product's admin portal, completely self-taught frontend and a strong understanding of database complexity.

Software Developer

Bristol, UK (Remote)

WILEY EDGE (FORMERLY MTHREE) | BANK OF AMERICA MERRILL LYNCH

Jun. 2021 - Nov. 2021

- On placement at BofA working as both a Python and C# & .NET developer responsible for maintaining core projects required for etrading.
- Working APIs and microservices to interconnect BofAs infrastructure.

Computer Science Advisor

Wales, UK

ABERYSTWYTH UNIVERSITY

Aug. 2020 - Jun. 2021

- Working as a Computer Science Advisor helping students in all years with any issues they are having related to computer science.
- Advising students on a variety of topics including; Java, Python, HTML, Javascript, PHP, understanding algorithm runtime, C and C++.
- This role is normally associated with postgrad students so being offered the position as an undergrad is rare.

Demonstrator

Wales, UK

ABERYSTWYTH UNIVERSITY

Aug. 2019 - Jun. 2021

- Helping first and second-year students during practicals when they are stuck on problems or need help debugging their code.
- Teaching students concepts or helping them with understanding a piece of code.
- Coaching primarily for modules using; Java, Python and C and C++ helping to greatly increase my knowledge of these modules.

Discord Bot Developer

Wales, UK

ABERYSTWYTH UNIVERSITY

Aug. 2020 - Jun. 2021

- Co-developed and currently maintaining a system for managing 800 students during the online practicals in the department.
- Built up a simple queue system that would be dynamically created and destroyed in each Discord server.
- Approached by the university and paid to continue to develop and maintain the project.
- The bots repository can be found here along with the open source code <https://github.com/AberDiscordBotsTeam>.

Academic Representative (Volunteering)

Wales, UK

ABERYSTWYTH UNIVERSITY

Aug. 2018 - Jun. 2021

- Active voice of the students providing feedback to the Computer Science department and to the lecturers directly.
- I have been voted in for this role during first, second and third year.

Nightclub photographer

Aberystwyth, Wales, UK

THE ROYAL PIER

Aug. 2019 - Jan. 2020

- Working as a photographer for the nightclub from 01:00-03:00 am every other night during the week.
- Responsible for taking on average 400 pictures per session and editing them in time for the 12:00 pm release the next day on the Facebook page.

Comp Sci Community Hub Administrator (Discord) (Volunteering)

N/A

ABERYSTWYTH UNIVERSITY

Aug. 2019 - Jun. 2021

- Co-founder of the Comp Sci Community Hub and the main Administrator / Moderator providing the Computer Science department of Aberystwyth University with a Discord server to serve as a social environment.
- Responsible for maintaining a semi-official server under my own set of guidelines.
- Currently boasting over 800 members including lecturers and alumni.
- This server and it's success lead to the lecturers creating their own Discord servers for modules based off of a template I created.

Education

Computer Science and Artificial Intelligence, BSc - First Class Honours

ABERYSTWYTH UNIVERSITY

Wales, UK

Aug. 2018 - Jun. 2021

• Relevant modules:

- Computational Thinking (Python, 1st year)
- Problems and Solutions (Algorithm run-time, 1st year)
- Program Design, Data Structures and Algorithms (Java, 2nd year)
- Software Engineering (Group leader of group project, 2nd year)
- Artificial Intelligence (Python, 3rd year)
- Agile Development and testing (TravisCI and Jenkins, 3rd year)

- **Major project:** AberLink connects CS students' uni accounts to their discord accounts through a website. This project also includes a front end discord bot for marking attendance in practicals and verifying discord accounts. Built webpages using HTML5 and JavaScript along with Django (Python) for the back-end web-server. The Discord bot is made using Python.

A-levels

THE NEW SCHOOL

Rome, Italy

Aug. 2016 - Jun. 2018

- Achieved a BBC in Italian, Maths and Physics respectively

IGCSEs

THE NEW SCHOOL

Rome, Italy

Aug. 2014 - Jun. 2016

- English, Maths, Physics, Chemistry, Biology, History, Italian, French

Extracurricular Activity

Discord bot developer

PERSONAL PROJECTS

Aberystwyth, Wales, UK

Aug. 2020 - current

- During my free time I have written several Discord bots which have been inspired by the Computer Science's Community Discord Hub.
- Developed in Python and running in a Google Cloud Instance (GCP).
- They can all be found on my GitHub page and are open source.

President of the Aberystwyth Photography society

ABERYSTWYTH STUDENT'S UNION

Aberystwyth, Wales, UK

Aug. 2018 - Jun. 2019

- Co-founder of the society.
- Responsible for building up the foundations and establishing the Photography Society at Aberystwyth University.
- Created and lead many workshops helping student to learn about their cameras.

Toastmasters Public Speaking course

TOASTMASTERS ITALIA, THE NEW SCHOOL

Rome, Italy

Aug. 2017 - Jun. 2018

- Learnt about public speaking and delivering presentations to other students.
- Came second in the final competition involving improvisational public speaking.

Honours & Awards

- | | | |
|------|---|--------------------|
| 2021 | Winner , Open Category Award (Academic Community Champion) | Aberystwyth, Wales |
| 2021 | Nominated , Academic Representative of the Year | Aberystwyth, Wales |
| 2021 | Nominated , Student Volunteer of the Year | Aberystwyth, Wales |
| 2020 | Shortlisted , Academic Representative of the Year | Aberystwyth, Wales |

Referees

Lecturer of Computer Science

DR. NEIL MAC PARTHALAIN

Aberystwyth, Wales, UK

2021

- **email:** ncm@aber.ac.uk
- **phone:** 1970 622869

Lecturer of Computer Science

MR. CHRIS LOFTUS

Aberystwyth, Wales, UK

2021

- **email:** cwl@aber.ac.uk
- **phone:** (01970) 622422