

Curriculum Vitae

Full name Adam Kilgour
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Personal statement

I am a technically oriented young professional with a Diploma of Higher Education in computer science from Swansea University. I enjoy playing sports, mountaineering and helping others (especially in matters regarding technology). I relish the challenge of finding optimal solutions to technical problems. I am particularly interested in topics regarding web technologies such as HTML, CSS and Javascript with my favourite modules at university being web and android development as well as graphics programming. The following link will take you to my portfolio website <https://adamkilgour.github.io/Portfolio/>. Since leaving university I have been travelling working on my personal portfolio interspersed with seasonal work for Royal Mail.

Interests

As a student, I was introduced to the sport of korfbal. I went on to spend three years on the committee of Swansea University Korfbal Club, as treasurer as well as a year as first-team captain. I have run training sessions, refereed matches in the Welsh league and shot clocked at national BUCS tournaments. This has helped me to develop skills such as organisation, communication and motivating others.

I enjoy running and hiking in my spare time and have participated in several hiking events including the Ten Tors Challenge 3 times as well as the junior trophy for the 30-mile gold Cotswold Marathon night hike in 2018. I have also completed several mountaineering trips including trips to the Pyrenees, Alps, Dolomites and the Atlas Mountains in Morocco. These trips have allowed me to develop skills such as perseverance, adaptability and organisation.

Work Experience

In 2018 I completed work experience with a local civil engineering and scientific consultancy firm Edenvale Young. This gave me experience working in an office environment and insights into computational modelling and the use of GIS software to model flood risks.

In 2017 whilst I was in Sixth Form I was employed by a local preschool to redesign their website with a focus on improving responsive design and readability. I continued to maintain the site voluntarily until 2022, adding both an admin portal and a dynamic list of recently published newsletters. The following link will take you to this site <https://www.noahsarkps.org.uk>.

Programming projects

Whilst at university, I completed a programming project in which I created a web app for producing realistic procedural terrain. This terrain could have multiple layers added to it which could be modified independently with noise functions, amplitude and frequency all being adjustable. A working camera allowed navigation of the created terrain. Finally, height maps could be downloaded of the terrain created. This project can be viewed on my portfolio website see above.

Programming skills

I have knowledge of web technologies such as HTML, CSS and Javascript as well as experience using several javascript 3D graphics libraries such as babylon.js and three.js. I am also able to program in Python and Java and have some experience scripting in PHP.

Qualifications

GCSE's

St Mary Redcliffe and Temple School Bristol

- RE - A
- Maths - 6
- English Language - 6
- English Literature - 6
- Geography - B
- Chemistry - B
- Physics - B
- Biology - B
- Computer Science - B

A levels

Redcliffe Sixth Form Center Bristol

- Level 3 Mathematical Studies - A
- Geography - B
- Computer Science - C
- Chemistry - D

Higher education

Swansea University

- Diploma of higher education in computer science

