

Fergus Beckerleg

Github.com/fegrushb, Mobile: +447498244384, Email: Fergus@Beckerleg.co.uk.

Education

- Studied **BSc Archaeology** at **Bournemouth University**, with a placement year.
- **Physics, Computer Science** and **Archaeology** to **A-Level**, as well as **Maths** to **AS-Level**.
- **9 GCSEs A-B**

Employment

- **11/2022 - Casual Teacher** at **Gateshead College**.
 - While attending a bootcamp I was recruited by the college to join the teaching team. Since then I have been teaching the **python** component of a bootcamp.
- **08/2021-07/2022 Program Officer** at **Altitude Foundation**.
 - **Altitude Foundation** is a north east based charity, focused on **teaching disadvantaged young people about coding and tech careers**. During this role I have worked supporting the **delivery of the program**, going into schools and **teaching students, designing elements of the program** and **planning and delivering events**.
- **06/2019-12/2019 Archaeological Officer** at **Thames Valley Archaeological Services**.
 - To begin my placement year I worked as a commercial archaeologist. This job has given me a wide range of transferable skills, including; working as a part of a **large team**, **planning and recording, detailed documentation** of work done, **analytic and problem solving skills**. I completed my training period with high praise from my supervisors

Experience

- **09/22-10/22 DevOps Bootcamp** I took part in a six week bootcamp, organized by Gateshead College and Sunderland Software City. The bootcamps covered all aspects of DevOps, including the management/organizational side, and the technical side. Specifically, **AWS, Terraform, Docker and kubernetes**, were covered in detail.
- **01/2020-04/2020 Research Placement** with **Bournemouth University**
 - During my placement year I worked on a **cellular automata based model**, to be used for archaeological **research**. To begin with I had to teach myself enough **R** to develop my project without support. The model tracked the **dispersal** and **logistic growth of a population**, through a **diverse fitness landscape**, that changed over time. I also experimented with a range of **optimization and data display techniques** that R offers as a part of this project.
- During my **Computer Science A level**, I chose to go above and beyond for my project, and created an **android application**. The app is a simple quiz game, based on a **MySQL database**. I have continued developing this app, and it now operates using a **Spring Boot** web server.
- I have experience in the languages **R, Java, Visual Basic** and **Python**. I also have some experience with **databases** and **GIS programs**.
- During the University field school I was involved in data entry and some redesign of the site **database**.
- Over a number of summers I have participated in Professor Tim Darvil's summer excavation where I have played an important role in the **surveying** of the long barrow we were excavating.
- GRAMPUS placement, Bulgarian Necropolis excavation.
 - During my degree I took part in an excavation on a Roman necropolis in Bulgaria. This was an extra curricular dig that I **applied and was selected for myself**. During the excavation I was involved in the excavation of many skeletons, one of which I excavated myself.

Key Skills: Programming, Java, Android, R, Problem Solving, Modeling Systems, GIS, Surveying