

# Fergus Beckerleg

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## EXPERIENCE

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### Teacher

Nov 2022 – Present

*Gateshead College*

*Gateshead*

- While participating in a **DevOps** boot-camp, i was recruited to join the college team.
- I have delivered units on **Python** and **DevOps** concepts.

### Program Officer

Aug. 2021 – July 2022

*Altitude Foundation*

*Newcastle*

- A North East charity, Aiming to teach disadvantaged young people (14-18) about coding and tech careers
- **Deliver** and **develop** regular teaching program for schools.
- **Plan, organise, and deliver** extracurricular tech events and visits.

## PROJECTS

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### MyQuizApp | *Java, Android, Spring, Rest-API, MySql, Docker*

Sept 2016 – Present

- Developed an **Android App** to ask a user a quiz for my A-level Computer Science project
- The app used **Java** and **XML Layouts**, with a local **MySql** Database
- After a long hiatus i have recently continued development of the app
- The app now features a **Spring** back-end, consisting of a **Rest-API** and **dockerised MySQL** database

### Dispersal Research Placement | *R, GGPlot, Cellular Automata*

Jan 2020 – April 2020

- Developed a **cellular automata model**
- The model aimed to investigate dispersal and population growth of societies
- Implemented a logistic growth model
- Used the **GGPlot** package to create a range of visualisations.

## PREVIOUS EXPERIENCE

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### Archaeological Officer

June 2019 – Jan 2020

*Thames Valley Archaeological Services*

*Taunton*

- Take part in archaeological excavations on a range of sites
- Working as part of a large team, excavate, record and document archaeological features

### Summer Dig, Sisters Wiggold | *Surveying, GIS, Excavation*

- For a number of years i have attended an extracurricular summer excavation
- In a pair I created a **Digital Survey** of the  $\approx 1800m^2$  site using professional survey equipment
- I was selected for the much smaller, invite only 2020 excavation

### Grampus Excavation | *Excavation*

April 2019

- Applied and was selected for a **Competitive International Placement** in Bulgaria
- Spent a month excavating a  $\approx$  4th C. Roman necropolis(cemetery)

## EDUCATION

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### Gateshead College

*DevOps Boot-camp*

*Oct. 2022 – Nov 2022*

### Bournemouth University

*BSc Archaeology*

*Sept. 2017 – May 2020*

## TECHNICAL SKILLS

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**Languages:** Java (Android), Python, R, XML, SQL (MySql)

**Frameworks:** Spring boot, Hibernate 2, JUnit

**Developer Tools:** Git, Docker, Amazon Web Services, VS Code, IntelliJ