

# JAMES BEACH

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See my Portfolio: <https://jamesbeach1.github.io/Portfolio-Website/>

<https://github.com/JamesBeach1>

## Summary

Recent Computer Science graduate with a strong foundation in software engineering principles and experience working on real-world projects. Skilled in building large-scale web applications using React and Typescript, with experience in various object-oriented programming languages such as Java, C#, and C++. Possesses experience with various programming languages and environments, including React, Typescript, and Kotlin. Strong team player, able to manage projects using Agile methodologies and proficient in Git version control. Excited to contribute to a professional environment and build upon my skill set.

## Experience

**Software Engineer (Internship)** | Kaluza - Edinburgh | 06/2021 – 09/2021

- Building a project from start to finish for the use of aiding customer service specialists.
- Experience carrying out test-driven development on a production level.
- Manage weekly sprints using **Jira**.
- Working within an experienced team with regular stand-up meetings, sprint plans and design evaluation meetings.
- Effectively managing projects version control using **GitHub**, online and CLI.
- Automated testing using **CircleCI**.
- Experience using new programming languages/environments such as:
  - **Kotlin**
  - **React**
  - **Typescript**
  - **Terraform**

## Skills

- Proficient in modern software development languages including **Java**, **C#**, **Kotlin** and **JavaScript/Typescript**
- Experience with front-end development frameworks such as **React**
- Experience in basic lambda-calculus using **OCaml**.
- Strong understanding of software development methodologies including **Agile** and **Scrum**
- Proficient in version control using **Git** and **GitHub**
- Experience in lower-level systems-programming using **C++** and **C**.
- Experience with containerization technologies such as **Docker** and **Kubernetes**
- Excellent **problem-solving** and **analytical skills** with the ability to troubleshoot complex issues.
- Organising and managing a team of peers to meet a tight deadline.

## Education

Heriot Watt | Edinburgh | 2023 (**79% avg, awaiting further results**)

**Bachelor of Science:** Computer Science

- Intro to Data Structures and Algorithms - A
- Web Programming - A
- Experimental Design - A
- Programming Languages – A
- Artificial Intelligence and Intelligent Agents – A
- Data Communications and Networking – A
- Language Processors – A
- Operating Systems & Concurrency – A
- 3D Graphics & Animation – A
- Software Design – A
- Database Management Systems – A
- Research Methods & Req Engineering - A
- Hardware-Software-Interface – A
- Foundations 1 – A
- Games Programming - A
- Software Engineering – A
- Professional Development – A
- Industrial Programming – A