

# James Keywood



[jameskeywood.github.io](https://github.com/jameskeywood)  
[jameskeywood.itch.io](https://jameskeywood.itch.io)



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🎓 Expected graduation: 2027

## Education

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**Undergraduate**      **University of Manchester** | Oxford Rd, Manchester M13 9PL  
Sep 2023 - Present      BSc Computer Science, achieved first-class grade in first year **79%**

Study **programming & paradigms, algorithms & data structures**; eager to pursue further expertise  
These modules offer hands-on experience with **Python, Java, C** and **software development** fundamentals

**A-levels, GCSEs**      **Kingston Grammar School** | 70 London Rd, Kingston upon Thames KT2 6PY  
Sep 2016 - Jun 2023      Mathematics, Further Mathematics, Computer Science, Physics **A\*A\*A\*A\***  
*Academic scholar*      EPQ exploring the Generative Adversarial Network **A**, GCSEs **999999999A**

## Experience

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### Tutor

Nov 2022 - Present  
*Part time, paid*

### Self-employed

Regular sessions with students teaching KS2, KS3 and KS4 mathematics  
This includes on-site and remote education, 1-2 times a week per student



### Court services

Jun 2024 - Jul 2024  
*Full time, paid*

[wimbledon.com](https://www.wimbledon.com) | Bank Ln, London SW15 5JT

Dressed and covered grass tennis courts in a team of 6, ready for play  
Aided players, staff and spectators for up to 12 hours a day for 2 weeks



### Technician

May 2022 - Nov 2022  
*Part time, paid*

[theitstore.com](https://www.theitstore.com) | 10 Thames Street, Kingston upon Thames KT1 1PE

Apple product repairs, customer service, retail sales and advertising  
This required knowledge surrounding Apple's product line and new releases



### Internship

Jun 2021 - Jul 2021  
*Full time, paid*

[goldclipper.co.uk](https://www.goldclipper.co.uk) | 35 Beresford Road, Kingston upon Thames KT2 6LP

Use of Oracle Application Express software to develop an internal use application  
The application tracked 6 employee time sheets and calculated required payslips

## Projects

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### Tig

Nov 2024  
*Hackathon*

[greatunihack.com](https://greatunihack.com) | *Go, Gin, HTML, CSS, JavaScript*

Git companion tool for developers to track and visualize files alongside commits  
Built the CLI with Go and a custom algorithm to view Git repositories in 24 hours

### Starmapper

May 2024  
*Hackathon*

[mcrstuenthack.com](https://mcrstuenthack.com) | *Python, TensorFlow, Flask*

Web app to identify stars and clusters from an uploaded image, in a team of 3  
Created a machine learning algorithm with Python to classify 16 constellations

### lightr

Sep 2023 - Jun 2024  
*Coursework*

**Team project** | *Python, SQLite3, Flask, HTML, CSS, JavaScript*

Workout tracking web application developed in an assigned team of 7  
Log gym exercises, track food intake, customise profile and view progress graphs

### Ninja Fruit

Jul 2023  
*Game jam*

[itch.io/jam/gmtk-2023](https://itch.io/jam/gmtk-2023) | *Unity, C#*

Game created within 48 hours, leading a team of 2 others as the sole programmer  
Players throw fruit at enemies to survive and progress through 3 challenging levels

### Gardening Game

May 2022 - Jun 2023  
*Coursework*

**A-level computer science** | *Unity, C#*

A game built within a professional project life cycle, and a 258 page write up  
Players collect seeds and water, then grow plants to earn coins and advance