# James Keywood

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## Education

**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

**Software engineer** nomura.com | *Java, Python, Dremio, Oracle, SQL, MinIO*
Jun 2025 - Jun 2026 Maintained a trade valuation data warehouse supporting firm-wide risk analytics
*Industrial placement* Planned then executed major platform upgrades and core architectural migrations

**Court services** wimbledon.com | *Teamwork, Time management*
Jun 2024 - Jul 2024 Dressed and covered grass tennis courts in a team of 6, ready for play
*Full time* Aided players, staff and spectators for up to 12 hours a day for 2 weeks

**Repair technician** theitstore.com | *RepairDesk, Product repair, Sales*
May 2022 - Nov 2022 Apple product repairs, customer service, retail sales and advertising
*Part time* This required knowledge surrounding Apple's product line and new releases

**Software engineer** goldclipper.co.uk | *Oracle APEX, Oracle Database, PL/SQL*
Jun 2021 - Jul 2021 Use of Oracle Application Express software to develop an internal use application
*Internship* The application tracked 6 employee time sheets and calculated required payslips

## Projects

**Tig** greatunihack.com | *Go, Gin, HTML, CSS, JavaScript*
Nov 2024 Git companion tool for developers to track and visualize files alongside commits
*Hackathon* Built the CLI with Go and a custom algorithm to view Git repositories in 24 hours

**Starmapper** mcrstudenthack.com | *Python, TensorFlow, Flask, HTML, CSS, JavaScript*
May 2024 Web app to identify stars and clusters from an uploaded image, in a team of 3
*Hackathon* Created a machine learning algorithm with Python to classify 16 constellations

**lightr** **Team project** | *Python, SQLite3, Flask, HTML, CSS, JavaScript*
Sep 2023 - Jun 2024 Workout tracking web application developed in an assigned team of 7
*Coursework* Log gym exercises, track food intake, customise profile and view progress graphs

**Ninja Fruit** itch.io/jam/gmtk-2023 | *Unity, C#*
Jul 2023 Game created within 48 hours, leading a team of 2 others as the sole programmer
*Game jam* Players throw fruit at enemies to survive and progress through 3 challenging levels

**Gardening Game** **A-level computer science** | *Unity, C#*
May 2022 - Jun 2023 A game built within a professional project life cycle, and a 258 page write up
*Coursework* Players collect seeds and water, then grow plants to earn coins and advance