

# Jake Callcut

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## TECHNICAL SKILLS

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**Languages and Technologies:** Dart, Java, C#, C, Python, HTML, CSS

**Tools/Frameworks:** Flutter, Swing, .NET, Figma

**Other:** Git, JSON, APIs, OOP, RaspberryPi

## EDUCATION

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**Heriot-Watt University**

09/2022 – 06/2027

- **MEng Software Engineering**
- On Track for First Class Honours
- Awarded the Deputy Principles Award for academic excellence

**Torquay Boys' Grammar School**

- **A Levels:** Computer Science (A), Mathematics (A), Physics (A)

09/2020 – 08/2022

## RELEVANT WORK EXPERIENCE

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**GI Healthcare Industries** | Frontend Software Developer

08/2024 – Present

- Solely developed and launched the company's website, [gihealthcare.co.uk](https://gihealthcare.co.uk), using Flutter and Azure, bringing the company online and enabling engagement with clients and partners.
- Collaborated with a team of developers to build a multi-machine control system using Flutter, Bloc state management, and adhering to SOLID principles and the MVC architecture to ensure scalable, maintainable, and efficient code.

**Heriot-Watt University** | Lab Assistant

09/2024 – 01/2025

- Assisted students in debugging and refining their code, providing guidance on best practices and efficient
- Responsible for reviewing and giving feedback on Java code for around 25 students per week.

**GI Healthcare Industries** | UI/UX Design Intern

06/2024 – 08/2024

- Designed the front-end interface for a multi-machine control system, from low-fidelity wireframes to developer-ready handoff using Figma. Helping take the company's new product from TRL 3 to TRL 5.

## OTHER WORK EXPERIENCE

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**Bartender** | The Tynecastle Arms

01/2024 – 06/2024

- Demonstrated strong problem-solving and time-management abilities by independently accommodating a high volume of guests.
- Leveraged excellent teamwork and communication skills to work with colleagues to serve a diverse clientele
- Developed my rigorous attention to detail when processing transactions, and crafting complex orders.

## EXTRA-CURRICULAR & CERTIFICATIONS

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**JFinance** | Personal Project

- Developed JFinance, a financial software suite built in Java using the Swing framework which allows users to check live stock prices, generate invoices, create budgets, and calculate interest.
- Used a plethora of financial APIs such as Marketstack for live stock prices and secure general location tracking.
- Used JSON to securely store user preferences, offering lots of customisation.

**eTextiles Hackathon** | In-Person

- Worked with a team of 6 people with backgrounds in computer science and/or textiles during a 4-hour hackathon to develop a knitted smart glove written in JavaScript and using microcontrollers to silence alarms and output to household appliances.

**Careers in Technology Insight Event** | Speaker

- Engaged an audience of more than 50 students by sharing my personal journey and giving actionable insights.
- Demonstrated public speaking skills by giving an exceptional speech addressing the challenges and opportunities of working in the Technology industry.

**Udemy** | Advanced Object-Oriented Programming in C#

**edX** | Investment Analysis and Portfolio Management

ADDITIONAL INFORMATION

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- Mathematics Tutoring** | Fully DBS-checked Mathematics tutor with expertise in GCSE, A Level, and Scottish Highers, offering planned and tailored lessons to enhance student performance.
- Investment & Trading** | Actively manage a portfolio, using market analysis techniques to optimise investments in global stocks, ETFs, and tech companies.
- Volunteering** | Volunteered for 150 hours with a team at Teignbridge Museum to produce a digital World War One Exhibit