

**Profile** BSc (Hons) Computer Science graduate from the University of Sheffield with a demonstrated skillset in iOS development, programming, policing, nannying, and retail.

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- Portfolio**
- FeesCalc for eBay** (~2,600 downloads, released September 2018)
- Calculates the relevant eBay and PayPal fees incurred on a sale, and the subsequent profit, for private and business sellers in both the UK and US.
  - Technologies utilised include: Eureka.
- JourneyCalc** (~1,800 downloads, released July 2018)
- Allows for the calculation and exportation of the fuel cost of journeys, the calculation of driving distance between two given places, a vehicle's mpg, and multiple different unit conversions.
  - Technologies utilised include: Eureka, Realm, IceCream (CloudKit).
- TAVI Heart Team App** (in development)
- In-development application designed to streamline patient selection, procedural planning, and multidisciplinary discussion for all members of a hospital's structural heart team.
  - Includes the ability to log relevant clinical information, lab results, and imaging in a single platform; and calculate multiple transcatheter and surgical risk scores in a single step.
  - Relevant anatomical information may also be inputted to receive guidance on valve selection from all commercially available devices.
  - The information may be exported to a presentation file (PDF) as a comprehensive platform for discussion and data sheet for auditing purposes.
  - Technologies utilised include: Eureka (inc. custom rows), Realm, SwiftTheme, PDFKit.
- Heart Survey** (released March 2019)
- Dissertation project, developed in conjunction with Guy's and St Thomas' Hospital, London, to monitor patient symptoms using standard cardiomyopathy questionnaires. Patient HealthKit data is also automatically gathered, with all results shown on a custom made website.
  - Used in a real-world study.
  - Technologies utilised include: ResearchKit, HealthKit, Firebase (Auth, Database, Messaging, Storage).
- Private Photos** (~200 downloads, released January 2019)
- Secure media album, offering protection through passwords and biometrics.
  - Technologies utilised include: LocalAuthentication, PhotosUI, AVKit.
- Drinking Out Loud** (~150 downloads, released April 2019)
- Game with drinking challenges, featuring text-to-speech readouts of the challenges, and iCloud synchronisation of custom-added challenges.
  - Technologies utilised include: Realm, IceCream (CloudKit), AVFoundation (AVAudioPlayer, AVSpeechSynthesizer).
- Daily Notes Diary** (~350 downloads, released April 2019)
- Cloud-synchronised daily note-taking diary.
  - Technologies utilised include: Realm, IceCream (CloudKit).
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**Education** **BSc (Hons) Computer Science - 2:1**  
The University of Sheffield (September 2016 - July 2019)

- Three-year course including the study of Python, Java, HTML/CSS, Ruby, Haskell, C++, and Pure Data.
- Partook in the "Global Engineering Challenge" and "Engineering - You're Hired!".
- First-class dissertation involving the development of an iOS application (in Swift) and associated backend and website, in collaboration with Guys and St Thomas' Hospital, London.

## Advanced Level (A Level), Advanced Subsidiary (AS Level), IGCSE & GCSE

Hampton School (2011-16)

- A Levels in Economics, Further Mathematics, and Mathematics
  - AS Levels in Geography and Physics
  - FSMQ Additional Mathematics: A
  - GCSE and IGCSE: 3 at A\*, 7 at A, 1 at B
  - **Responsibilities:**
    - Mentor to Year 9 form group (September 2015 - July 2016)
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### Experience

#### **Police Community Support Officer**

Surrey Police (October 2019 - November 2020)

Involved in working closely with local communities and civil organisations to maintain law and order, with a strong community-focused approach.

##### - **Key responsibilities:**

- Responding to emergency calls and providing an initial response to incidents.
- Investigating and appropriately dealing with minor crime, including anti-social behaviour.
- Preserving scenes of crime and gathering evidence at scenes of crime.
- Handling the paperwork relating to incidents, including crime reports and victim contact.
- Assisting with interviewing witnesses and suspects.
- Gathering and submission of intelligence in line with policies and procedures.
- Involved in helping to keep the peace at demonstrations, marches, and protests.
- Conducting patrols by foot or vehicle.
- LGBT+ Liaison Officer - a voluntary role to support victims of LGBT+-related hate crimes, as well as the officers investigating their cases.

#### **Nanny**

Private Family (June 2018 - September 2019)

Responsible for looking after 3 young children (7, 9, and 13 years old) as a job between university semesters.

#### **Customer Assistant**

Chessington Garden Centre, Chessington, KT9 2NG (May 2016 - May 2018)

Utilised teamwork and communication skills at a large, independent garden centre in Chessington.

Responsible for delivering a friendly service, playing an active role in answering customer merchandise or purchasing queries, general maintenance of the store, and sales.

#### **Teaching Assistant**

Hampton School, Hampton, TW12 3HD (15 November 2014 - 14 March 2015)

Worked for Hampton School's SHINE project with Year 5 pupils from local state schools. Also known as "Serious Fun on Saturdays", the SHINE programme involved helping plan and conduct lessons aimed at improving literacy and numeracy skills.

#### **Other**

Work Experience: Barclays, London, E14 4BB (31 October 2014)

Work Experience: Berenberg Bank, London, EC2R 8HP (14 - 19 July 2014)

D of E Work Experience: The French Table, Surbiton, KT6 4AW (October 2012 - March 2013)

Paper Boy: Jay News, Thames Ditton, KT7 0QR (September 2011 - July 2014)

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### Hobbies

- Proficient with Windows, Linux, and macOS-based systems.
  - Basic HTML/CSS – developed personal website.
  - Hiking, particularly in the Peak District.
  - Played benchball for the University of Sheffield Benchball Society, including at National Benchball Varsity 2019.
  - Bronze Duke of Edinburgh's Award.
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### References

References available on request.