Harry Seymour

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Profile

Aspiring Software Engineer targeting **Level 4/6 software degree apprenticeships** with hands-on experience in Java, Python, C#, and functional programming. Completed **Level 3 Extended Diploma in IT (DMM)** and **Year 1 of BSc Computer Science (Level 4 / HNC equivalent)** with **partial completion of the following years**. Portfolio projects span Android development, backend/data structures, networking, and FP, with a mix of problem-solving and full-stack development skills.

Skills

Programming (Python, Java, C#, Haskell)

Web & Databases (HTML & CSS, Sass, JS, SQL, PostgreSQL)   **Frameworks** (Django, Bootstrap)

Tech (Git, VS code, IntelliJ, Android Studio, LaTeX, Figma)

Projects

Decision Based Application   10/2021 – 01/2022
Video Presentation ⌾ & GitHub ⌾
Specified an application using a decision map and then translated it into a CSV for back-end implementation using nodes to check the viability of my program, implementing that back-end code into an Android application using a front-end.
- Used: Java, Gradle, Android Studio, Git, Figma

Haskell Population Application   04/2023
GitHub Link ⌾
Functional CLI to maintain a simple back-end datastore of cities & populations, supports table generation, sorting, distance calculations, and updates via an interactive terminal interface.
- Used: Haskell, File I/O.

Smart Home Lighting Project   04/2021 – 05/2021
Video Presentation ⌾ & GitHub ⌾
Designed, built, and demonstrated a SmartHome Console Dashboard in Java.
- With a back-end for initialising objects and storing them, and a simple CLI for interacting with file-backed objects.
- Used: Java, Git

Networking SmartFest   02/2021 – 05/2021
Video Presentation ⌾
- Over the course of 12 weeks, my team and I used a tender specification. We were required to provide network capabilities for a festival for the duration of 3 days, with a network capacity for 65,000 festival goers and an additional 1,000 staff each day. We were also required to offer network access for the stalls and concert stands located on the site.

Education

Year 1 BSc Computer Science (Level 4 / HNC Equivalent)   10/2020 – 07/2024 | Portsmouth
UNIVERSITY OF PORTSMOUTH
- *Completed Year 1 of BSc Computer Science (Equivalent to Level 4 / HNC).*
- *Continued further studies in advanced modules including networking, software engineering, and functional programming.* **(No degree claimed.)**
- Modules: Data Structures & Algorithms, Discrete Maths & Functional Programming, Operating Systems & Networking, Web Programming, Software engineering, Core Programming Concepts, Databases.

Btec Level 3 Extended Diploma in IT (QCF), DMM   09/2017 – 07/2019
BROCKENHURST COLLEGE   New Forest, Hampshire
Relevant Unit: Website Production, E-Commerce, Databases (SQL/Access), Game Development & Design, OOP/Procedural

GCSEs   09/2012 – 07/2017 | Christchurch
Twynham School
GCSEs – incl. English and Maths (grades 4-7 range)

Experience

Retail Assistant   07/2018 - Present | Christchurch
Sainsbury
  - Roles: replenishment, date checking & price control, cashier, perform general disposal of products,
    deliveries, commercial.

Extracurricular Activity

National Citizen Service   04/2017 - 05/2017
  - Performed indoor and outdoor physical activities from Army courses, camping, cooking, First aid and
    general team-building exercises.
  - Performed volunteering work, helping refurbish the garden of a local BCHA centre, which is a
    housing association charity in Bournemouth.