

Harry Day

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EDUCATION

University of Manchester

BSc Computer Science (Hons)

Classification: Expected First-Class Honours

Relevant Coursework: Designed a highly scalable social media platform to be capable of scaling from 0 to 1 million users overnight, Produced a simple GPU on FPGA, Implementation of "STUMP" Processor in Verilog

Volunteering: Treasurer of the Motorsports society with over 350 members for two years

Manchester, United Kingdom

September 2021 - July 2025

John Port Spencer Academy 6th Form

A Levels in Maths, Further Maths, Computer Science and Physics

Grades: A*A*A*A*

GCSE's in Maths, English, Science, Computer Science, Engineering and Statistics

Derby, United Kingdom

September 2019 - July 2021

EXPERIENCE

Novlr

Software Engineer

London, United Kingdom

October 2024 - Present

- Designed and implemented a refer-a-friend feature to drive user growth and conversion rates onto paid subscriptions
- Assisted in development of a new Greenfield frontend project to enhance user experience and retention rates
- Contributed bug fixes and refactors to the backend API to maintain and improve site reliability
- Liaised with our customer support team in order to rapidly fix 100% of critical issues our customers experienced

UBS

Software Engineer (Technology Industrial Placement)

London, United Kingdom

June 2023 - September 2024

- Liaised with a global team to deliver a next generation Asset Management platform to manage over \$5T AUM
- Developed an internal greenfield library to streamline interactions with Kafka, expanding safety and efficiency in data processing, utilised by over 10 other teams
- Built a GraphQL API with a robust database backend capable of handling tens of thousands of records per hour, providing data flexibility for downstream consumers
- Created a library of GitLab CI/CD modules to optimise the creation of CI/CD pipelines, improving developer efficiency by 90%, whilst ensuring the reliability of deployments into Microsoft Azure

The Crafty Pig - Stonegate

Bartender/Front of House

Manchester, United Kingdom

July 2022 - January 2023

- Efficiently managed a high-volume of orders in a fast-paced city centre bar, maintaining quality and speed during peak hours, bringing in £1000s in revenue each night
- Delivered excellent customer service by engaging with customers, receiving the most 5 star ratings in the busy Christmas period
- Maintained a clean, organised bar area, ensuring compliance with health and safety standards

Personal Projects

SongLinkr

iOS Application

June 2023 - September 2023

- Released an application which allows users to convert links to songs and albums from one platform to another
- Developed and launched an iOS app that achieved over 4,000 downloads organically, with zero marketing budget
- Crafted an intuitive user interface and seamless user experience, contributing to high user retention and 5 star reviews

Trade Order Book

GoLang Client and Server

August 2024

- Prepared and implemented a trade order book client and server in Go, establishing efficient communication using gRPC
- Shaped and maintained order book data structures to manage bids and asks, enabling accurate tracking of trade orders and market depth

SKILLS AND INTERESTS / AWARDS AND ACHIEVEMENTS

- Proficient in many languages and technologies (.NET/C#, Kafka, Kubernetes, Git, Swift, Python, JS/TS, GoLang, Java, C/C++, SystemVerilog)
- Interests: Formula 1, Finance, Bodybuilding, Snowboarding, Cars, Technology, MMA/Combat Sports
- Qualifications: UK-TEFL 20 Hour (QCF Level Equivalence: 2), Level 2 Swimming Instructor, Pool Lifeguard Trained