

Travis Higgins

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Technical Skills

Programming Languages: Java, Python, JavaScript, Dart, C#, SQL

Frameworks, Libraries & Tools: Flutter, Git, Docker, Unity, Linux, MongoDB, Express, React, Node.js, Firebase, CSS

Education and Qualifications

2019-2023 Newcastle University, MComp Computer Science (Integrated Masters)

Stage averages: 1st year: 77.8%, 2nd year: 81.8%, 3rd year: 73.2%

On track to graduate with a first in July 2023

Projects and Experience

2022 Cloud Computing

- Deployed web application stack on a docker swarm node.
- Used terraform to create an Azure Kubernetes cluster and deploy a microservice application.

2022 Dissertation: Osmotic Computing and Dealing with Backpressure (Internet of Things)

- Created an IoT edge cloud data pipeline.
- Performed, analysed, and compared the efficiency of different load balancing algorithms in the edge when overloaded with data (Raspberry Pis were used as the edge devices).
- Used cAdvisor, Grafana, Prometheus, AWS EC2, and the Mosquito MQTT broker.

2021 Haarcuts

- Led a small team of developers to build a mobile app for a student start-up client.
- Flutter Cross-platform mobile barbering app that connects clients to barbers.
- Can see barber's locations through the integration of a google maps plugin.

2021 StuBank

- Collaborated as part of a team to build a banking platform using the MERN stack.
- Worked on frontend and backend functionality, technical design documents and testing.

2020 Human-Computer Interaction (<https://tinyurl.com/Plant-it-app>)

- Developed a digital prototype of a mobile app for food growers.
- Involved user testing, hierarchical task analysis, think-aloud protocol, and heuristic evaluation.

Employment

2018-Present Tesco

Roles: stock control, dairy, dotcom, checkouts, click and collect, general customer assistant.

Skills: Adaptable to a variety of roles, deliver good customer service and can work under pressure.

Extra-Curricular

2022 Treasurer, Newcastle Wind-Band Society Committee

Previously held the role of welfare officer.

2022 Digital Business Innovation and Social Media Course

Studied at Aarhus University in Denmark.

2021 Peer Mentor

Mentored new students starting their university journey.

2019 Trumpet Trinity Classical Grade 6

Played in the Finale of the MFY Proms at the Royal Albert Hall with Boston Youth Jazz Orchestra.