

# 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.