

EDUCATION

University of Glasgow

2018 – 2022 | Master's Degree in Computing

- › First Class Honours with 2nd Year Entry

EXPERIENCE

UROS

Jun 2019 – Aug 2019 | Software Engineer Intern

- › Reverse engineered a C, Labview project into a modern Python project
- › Maintained backwards compatibility with MySQL database containing customer data

Barclays UK

Jun 2021 – Aug 2021 | Technology Developer Intern

- › Worked in technology resilience and incident management
- › Automated sending emails by formatting Oracle Database data into HTML

Aalto University

Aug 2022 – June 2023 | Software Developer

- › Working on A+, an online learning platform for programming used by Aalto and other universities
- › Django, Docker, Kubernetes
- › Agile Development with sprints, pull requests, and code review

PROJECTS

Stat Buff



Sep 2020 - May 2021

Multiplayer iOS and Android fitness game. This app was designed to study the impacts of collaboration on exercise motivation. 30 users were surveyed and 10 interviewed.

node.js

Postgraphile

graphql-ws

graphile-migrate

Postgres

pl/pgSQL

React Native

Typescript

React Native Paper

React Navigation

Apollo Client

GraphQL Codegen

Poggers

Sep 2021 - May 2022

Poggers automatically generates GraphQL middleware for a Postgres database. Designed with performance and scalability in mind, it outperforms Hasura and Postgraphile.

Rust

Actix Web

GraphQL

Postgres

Tokio

async-graphql

petgraph

serde

Docker

SKILLS

Frontend Development

React

React Native

Svelte

Tailwind CSS

Bootstrap

Material Design

Backend Development

Django

Actix Web

node.js

TypeGraphQL/TypeORM

Diesel

Databases

MySQL

Postgres

SQLite

MongoDB

Neo4j

Dgraph

IndraDB

Data Science

Pandas

scikit-learn

SQLAlchemy

Spotlight

Matplotlib

Tesseract

Cloud

Heroku

Apex

AWS RDS

Firebase Authentication

Vercel

Other

Haskell

Java

C/C++

Python

Linux/Bash

AMD64 Assembly

User Centered Design

Test Driven Development

Scrum