

Alex Purser

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EXPERIENCE

MASS CONSULTANTS LTD. | IT SERVICE WORK PLACEMENT
Jan 2022 - Jul 2022 | Little Paxton, Cambridgeshire

MASS is an independent technology company, trusted by highly secure organisations to provide advanced digital services and training that manages data and keeps information safe.

- Worked as a team across different areas to manage and complete client requests.
- Collaborated with team members to optimize stock management and maintain organized workspaces.
- Configured and deployed client computer systems, including BIOS setup and hardware installation.
- Managed and supported client computer systems and devices.

UNIVERSALLY SPEAKING | QUALITY ASSURANCE GAMES
TESTER

Jun 2022 – Aug 2022 | Wyboston, Cambridgeshire

Universally Speaking is a capacity partner. Universally Speaking test video games for developers, returning useful feedback, and working with them until each video game is complete.

- Collaborated effectively with team members to fulfil and exceed client expectations.
- Utilised software such as Jira to organise client requests and work through them efficiently.
- Managed multiple projects simultaneously while adhering to strict deadlines.
- Supported colleagues by reviewing client feedback and streamlining task management processes.

PROJECTS

DISTRIBUTED IOT PLANT MONITORING SYSTEM |

DISTRIBUTED SYSTEMS MODULE PROJECT

Jan 2024 – Jun 2024 | Falmouth, Cornwall

- Built a hardware system for monitoring different plant environment variables such as humidity, water density, and sunlight using an Arduino ESP32 and multiple sensors.
- Deployed a Dockerized API and a server with an SQLite database for real-time data storage and updates based on sensor readings.
- Designed an intuitive front-end application in React Native for seamless user interaction with sensor data.

WEBRTC AND LL-HLS ACADEMIC COMPARISON |

RESEARCH & DEVELOPMENT PROPOSAL AND DISSERTATION

Sep 2024 – Jun 2025 | Falmouth, Cornwall

- Wrote and outlined a comprehensive proposal for developing a WebSocket-based seminar hosting application for load-testing different streaming technologies.
- Drafted a detailed academic paper, including UML diagrams, expected outcomes, ethical considerations, and data analysis.
- Used R to conduct data analysis techniques such as G*Power, ANOVA, interaction, and Tukey tests.

EDUCATION

FALMOUTH UNIVERSITY

BACHELOR OF SCIENCE IN

COMPUTER SCIENCE

Expected May 2025 | Falmouth, Cornwall

LONGSANDS SIXTH FORM

A LEVELS

June 2022 | St Neots, Cambridgeshire

- BTEC Computer Science (D*D*)
- Mathematics (C)
- Physics (C)
- UCAS Tariff - 176 points

LONGSANDS ACADEMY

GCSE

June 2020 | St Neots, Cambridgeshire

- 10 GCSEs
- Mathematics (8)
- English Language (5)

SKILLS

PROGRAMMING

6+ years:

Python • C# • HTML/CSS

2+ years:

JavaScript • C++ • SCSS • React Native •

NodeJS • Express • Handlebars

Beginner:

R • C • .NET

TECHNOLOGY

Git/Github • Jira • Linux

Ubuntu • Windows • Docker

Arduino IDE • LaTeX

COURSEWORK

UNDERGRADUATE

Principles of Computing

Data Fundamentals

Computational Mathematics

Web Technologies

Artificial Intelligence & Machine Learning

Algorithms & Optimisation

Distributed Systems

Advanced Topics in Computer Science

Major Collaboration

Research & Development: Proposal

Research & Development: Dissertation

Personal GitHub

Academic GitHub

LinkedIn

Handshake