

Jake Knox

Software Developer

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Professional Profile

A motivated and detail-oriented computer science graduate with a passion for software development. With a strong foundation in programming languages and problem-solving skills, I thrive in collaborative environments and excel at tackling complex challenges. Eager to contribute to innovative projects, I am a quick learner who embraces new technologies and approaches to deliver high-quality solutions.

Education

BSc (Hons): Computer Science 1st | University of Salford, Manchester | 2022

Final Year Project:

Description: A mobile app which would use machine learning to judge a user's emotion from facial expressions, connected to music playlists based on the emotion categorisation. Along with relevant research and project dissertation.

Technologies used: Developed in Kotlin using Android Studio, ML Kit and Spotify APIs.

Key achievements: worked with new and emerging technologies, conducted research into machine learning, achieved a 1st class grade.

Group Project:

Description: A risk assessment website for a land development company, developed during a hack-camp. We had regular meetings with a real world client to work with them on design and functionality of the site. Tasks were assigned based on team member ability and learning opportunities, with peer programming opportunities.

Technologies used: JavaScript, HTML5, CSS3, PHP, SQL, Git, Kanban.

Key achievements: Our team achieved a 1st grade for the project, the client was satisfied with the product.

Achievements:

Graduated with 1st class honours at university after entering the course on the condition of a foundation year -2022

Career Summary

Sept 2017 - July 2022

PK Van hire, Bolton

Jake Knox

Software Developer

Removals Operative

Key Responsibilities:

- Worked in a fast-paced team setting
- Communicated with clients and team
- Improved soft skills and time management

Technical Skills

Programming Languages:

Proficient in C#, Java, JavaScript, HTML, CSS

Familiar with Python, PHP, Kotlin, Swift, C++

Systems: Windows, Linux

Applications: Microsoft Office (Word, Excel, Outlook, PowerPoint, Office 365), DBMS

Other: Familiar with SQL, Git, GitHub, Kanban, React, Node.js, Flask, Docker, REST APIs, Machine Learning, AI

Recent Projects

Online Word Game: A multiplayer web-app built using websockets. A pet project which I have developed and improved upon for years in different programming languages.

Chatbot Web-app: Using python for a Flask back-end and my own AI model, coupled with a cyberpunk themed front-end

Unity VR Museum: A university project showcasing different aspects of game development and educational projects.

I work with many different languages and keep all of my recent projects public to see on my GitHub profile.

Additional Information

Certifications & Courses:

TLM Level 2 Certificate in Cyber Security and Digital Forensics | Distinction* - Babington

Master: Comp Sci Bootcamp - Code Nation

References

Available upon request.