Jason Xanthakis

La Fosse Trainee

Neuroscience graduate and upcoming LaFosse trainee with a strong foundation in data-driven problem solving and a great passion for building smart, efficient solutions through code and automating repetitive tasks. Experienced in programming with Python, C, and Node.js, and familiar with HTML, CSS, C#, and SQL. Comfortable using Git for version control and collaborating on projects. My background in data analysis and machine learning has equipped me with a structured, analytical approach to software development. Focused on developing my skills through real-world experience and contributing to impactful, technically challenging projects across various technologies.

Contact

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GitHub:

github.com/jasonxanthakis

Portfolio:

jasonxanthakis.github.io/portfolio/

Education

2021-2024

BSc Neuroscience
University College London (UCL)

2019-2021

GCE A-Level Computer Science
Computer Science, Physics, Chemistry, Mathematics, Modern Greek
Longdean School

Skills

- Python
- R
- SQL
- JavaScript
- C
- C#
- Data Analytics
- Machine Learning
- GitHub/git
- HTML/CSS
- node.js

Languages

English
Greek

Experience

Jun 2024 - Sep 2024
University College London l Gower St, London WC1E 6BT

Research Assistant

- Contributed to the development of a motion tracker for the lower limb using a depth camera to capture movement data.
- Researched leg joints to identify the degrees of freedom available to the lower limb, ensuring accurate motion tracking and data collection.
- Planned the project's development as part of a team, strengthening my collaboration and communication skills.
- Documented technical findings in a comprehensive report, enhancing my ability to analyse and present complex information clearly.

Jun 2023 - Oct 2023
University College London l Gower St, London WC1E 6BT

Research Assistant

- Collaborated with a PhD student to collect and label hand orientation data using a depth camera, contributing to a project that trained a neural network to control a prosthetic robotic hand.
- Analysed technical documentation for the Azure Kinect DK and wrote scripts in C and Python (using a Python wrapper) to operate the camera, record body tracking data, and visualize the data in 3D using the Ursina game engine.
- Developed a comprehensive report on my findings, showcasing strong analytical and technical writing skills.

Sep 2019 - Dec 2023
Manor Hill Greek School l Barnet Ln, London N20 8AZ

Administrative Support

- Provided IT support and managed reprographics, improving technical troubleshooting and attention to detail.
- Provided tutoring in Modern Greek and acted as a teaching assistant, enhancing communication and interpersonal skills.
- Assisted in office work and coordinated events, strengthening organisational and problem-solving abilities.
- Developed adaptability and collaboration skills, valuable for cross-functional teamwork in data-driven roles.

Courses & Specifications

Introduction to Data Science — Coursera (IBM)

Completed IBM's Introduction to Data Science specialisation, gaining foundational skills in data science methodologies, Python, SQL, data analysis, and data visualisation.

Python, R, Data Science — W3Schools.com

Developed hands-on skills in Python, machine learning, data analysis, and data visualisation through practical data science exercises provided by W3Schools.com Python, R and Data Science packages' courses.

References upon request