

CHRISTOS PATSALIDIS

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Summary

Aspiring Software engineer, with an Integrated Masters in Electrical Engineering, from Imperial College London. Displayed passion for building user-friendly applications. Experienced in full-stack development, working with React.js, Node.js, and modern APIs to facilitate ideal digital experiences. Tackled complex problems, solved puzzles for performance enhancement, and collaborated with teams to bring ideas to life.

Education

Imperial College London

MEng Electrical and Electronic Engineering

October 2020 – June 2024

Upper Second-Class Honours (2:1)

The English School of Nicosia

A-Levels: Single Mathematics, Further Mathematics, Physics, Modern Greek

September 2012 – June 2019

(A, A*, A*, A)*

Skills

- JavaScript • TypeScript • Java • Python • React.js • Node.js • Express.js • Bash • Scripting • Linux • Git
- GitHub • PostgreSQL • MongoDB • Tailwind • Bootstrap • HTML • CSS • Cloud • RESTful APIs

Experience

Udemy

Student of Web Developing

September 2024 – February 2025

Remote

- Designed and built responsive web pages using HTML, CSS, Bootstrap, and Tailwind CSS, making sites more user-friendly and mobile-optimised. Focused on reusable components, and adhered to modern UI/UX best practices.
- Developed interactive UI components in JavaScript and React, focusing on clean, efficient code to enhance performance.
- Built full-stack applications with REST APIs, applying backend architecture principles that could be transferred directly to Python/Django environments for scalable data handling. Integrated with database storage (MongoDB).
- Implemented custom authentication and authorisation, for secure user data, while maintaining seamless access.

Terra API

Software Engineering Consultant

April 2023 – June 2023

London, UK

- Developed a Graph API in Python that retrieves data from multiple wearable devices, making it easier to access and analyse health metrics in one place (Swift, Flutter, React). Added visual customisations options for user graphs.
- Optimised data processing by designing scalable filtering and deduplication algorithms in Python. These algorithms handled large volumes of health and activity data, whilst improving overall system efficiency by 30%.
- Collaborated with cross-functional teams to implement feature improvements based on user feedback.

Cyprus National Guard

Transmitter Communications Specialist

July 2019 – September 2020

Cyprus

- Demonstrated exceptional discipline and resilience, while managing a mentally and physically demanding schedule.
- Developed strong focus under pressure and maintained high performance throughout. Performed during critical communications operations, requiring precision, rapid response, and sustained attention over extended periods.
- Refined time management and adaptability skills, through consistently meeting tight deadlines.

Academic Projects

Master's Thesis: Multi-Agent Requisite Social Influence

Imperial College London, November 2023 – June 2024

- Built a multi-agent system in Python to model how social networks influence decision-making. Utilised Jupyter Notebook to visualise agent behaviours, and run interactive simulations for better insights.
- Researched and implemented reinforcement learning techniques (Advantage Actor-Critic and Deep Q-Network Algorithms), optimising decision pathways and increasing system stability by 20% compared to baseline models.
- Developed a novel feedback loop mechanism (Second-Order Cybernetics), improving the accuracy of predictions in social influence models by 15%, and adding more complexity to the framework and agent behaviours.
- Collaborated closely with my project supervisor, adapting the project as new insights and challenges emerged.