JACK PAPAIOANNOU

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SUMMARY

Computer Science graduate with First-Class Honours, skilled in full-stack development and software security. Proficient in **Java** and **Javascript** frameworks like **React.js, Next.js**, and **Express.js**. Experienced in building responsive web applications and working with version control tools (**Git, GitHub**). Strong problem-solving and communication skills with a user-focused approach, thriving in fast-paced, mission-driven environments.

EDUCATION

Computer Science with Cyber Security (MEng), University of Southampton   2019 - 2024
First Class Honours
Relevant Modules: Programming Language Concepts, Algorithms, Software Modelling and Design

High School Diploma focused on IT and Economics, Lykeion Antimaxeias   2016 - 2019
GPA (19.5/20)
Relevant Lessons: IT, Algebra

SKILLS

Technical Skills	Java • Python • Javascript • C# • Git • Docker • React.js • Next.js • Express.js • Jest.js • AI-assisted coding • Github Copilot • Pytest • CircleCI • HTML • CSS • Tailwind CSS • AWS RDS • MySQL • SDLC • Agile
Languages	Fluent English • Fluent Greek

EXPERIENCE

Software Engineering Intern   Oct 2025 - Jan 2026
Automata Technologies   *London, UK*

- Completed a 3-month internship, gaining hands-on experience with the company's products and underlying technologies.
- Reduced manual robot programming time by co-developing an automated machine-vision system to replace manual robot waypoint teaching, adding features to a **Python CLI** tool that communicated via **WebSockets** with the robots' proprietary software and programming language. Later ported these features to a modern web interface. Utilised **AI tools** for code generation like **Github Copilot** using different **LLM models** (**Claude Sonnet 4, GPT-5**)
- Improved and extended front-end features in **React.js** applications.

Information Technology Administrative Assistant   Jan 2025 - Jul 2025
Hellenic Army, Computer Research and Informatics Office   *Kos, GR*

- Mandatory military service accompanied by basic infantry and IT specialisation training
- Implemented and enforced security policies for software systems, as well as managed the majority of the headquarters communications

Programming labs demonstrator & Group project supervisor   Feb 2024 - May 2024
University of Southampton   *Southampton, UK*

- Supported classes of 30 students in **Java** programming labs, assisting with OOP fundamentals like testing, threading and recursion
- Supervised two groups of 5 students who were involved in **Agile** programming projects built in **Java**
- Guided groups so they could use **Agile** practices more efficiently and gave detailed feedback on their work and practices

PROJECTS

Summoner's Card Fullstack Web Application: Nov 2023 - Current

- Developed a responsive and dynamic full-stack web application using **React.js**, hosted on **Vercel**. The project was built with the **Next.js** framework for the frontend, and an **Express.js** backend server, with data stored in a **MySQL** database hosted on **AWS RDS**. Utilized **Github** for version control. The application fetches and efficiently displays League of Legends player data by integrating with the **Riot API**.
- Extensive testing (unit, component tests) using the **Jest.js** framework and documentation written with **JSDoc**

A Security Assessment tool for Quantum Threat Analysis: Sep 2023 - Jan 2024

- Collaborated in a five-person team with a supervisor and an industry client using **Agile** methodologies to develop a web application using **Python** (backend), **React.js** (frontend UI), **PostgreSQL** (database), and **Git** (version control)
- Led background research by gathering and analyzing literature on quantum computing threats aswell as designed front-end **UIs** and tested application **UX** for end-users and stakeholders