Michalopoulos Alkinoos

INFORMATIONS & COMMUNICATIONS SYSTEMS ENGINEER

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WORK EXPERIENCE

University of Aegean, Karlovasi, Samos **Feb 2024 - July 2024**

Administrative role at the Robotics Laboratory of the Department of Information and Communication Systems Engineering, involving the organization and maintenance of the laboratory space and equipment, handling deliveries and daily operations, while also conducting research to identify potential thesis topics.

Covariance IKE, Nea Erythraia, Athens **July 2024 - March 2025**

Developed three applications for insurance companies: one focused on fraud detection in premium charges related to traffic accidents and hospital insurance; another as a central platform connecting clients, hospitals, insurance providers, and medical service nodes for tasks such as appointment booking and e-prescriptions; and a third enabling clients to maintain direct and immediate communication with the insurance center in urgent situations, including location sharing and assistance requests.

EY, Maroussi, Athens **March 2025 - Present**

Developing a large-scale project for Piraeus Bank, creating a management tool for overseeing the bank's APIs and the applications provided to businesses, building the middleware that supports these applications, and providing service mailbox support through effective troubleshooting and customer assistance.

EDUCATION

MSc in Information and Communication Systems Engineering **Oct 2018 - Sept 2024**

Gained comprehensive knowledge in computer engineering, as well as in communications, networking, and cybersecurity.

- Specialized in security, both at the physical level and in network environments.
- Worked extensively with robotics and intelligent systems, as well as the algorithms that underpin this field.

May 2024 - Sept 2024 **THESIS**

Developed a soft robotic device designed to alleviate palm spasticity, incorporating sensors and patient-safe materials. The system was tested both by a physiotherapist and by a stroke patient experiencing spasticity. Safety mechanisms were integrated, along with three operating modes tailored to different spasticity cases.

SKILLSET

Code: C#, Python, JavaScript with lots of frameworks and libraries
Web & API Development: Next.js, Node.js, ASP.NET, REST, GraphQL, SOAP
Cloud Platforms: AWS, Azure **CI/CD & DevOps Tools:** GitLab CI/CD, GitHub Actions
Containerization & Deployment: Docker, Kubernetes
Databases: PostgreSQL, MySQL, Oracle, MongoDB