# Iasonas Kakandris

Thessaloniki Greece | Email | Website | LinkedIn | GitHub

## Education

**Aristotle University of Thessaloniki (AUTh)**, Thessaloniki, Greece                Sept 2019 – Present
BSc & MSc in Electrical and Computer Engineering (5-year joint degree; 300 ECTS)

- **Grade**: 7.91/10
- **Concentration:** Electronics and Computers
- **Relevant Coursework:** Computer Architecture, Object-Oriented Programming, Data Structures, Algorithms Analysis and Design, Neural Networks - Deep Learning, Signals and Systems, Software Engineering I & II
- **Thesis:** Design and implementation of a textual domain language to produce machine learning applications on data streams

## Professional, Research, and Volunteering Experience

**Software Engineer**, SpaceDot                Nov 2021 – Nov 2024

- Developed the Angular-based UI for the satellite data transmission system facilitating better UX.
- Conducted technical interviews and trained new members in frontend development, reducing onboarding time
- Collaborated on cross-functional teams to design and implement 3 core features.
- Dockerized the application, reducing deployment time by 40% and improving satellite systems' cross-environment functionality.

**Software Engineer Intern**, Technology Without Borders                July 2024 – Sept 2024

- Created customized B2B apps using Microsoft PowerApps, reducing processing time by 98%.
- Designed an event management app using Flutter and Dart with real-time tracking and cloud integration.
- Built a Chrome extension using Plasmo and Firebase for a cross-platform reminders app.

## Projects

**CrisisMapper:** Engineered a disaster mapping tool using SQL and Angular, centralizing critical disaster information for improved accessibility and decision-making

**Neural Networks**: Developed and compared different neural network models (SVM, MLP, RBF) in Python

**UART in Verilog**: Implemented a Sender-Receiver System in Verilog using UART Protocol, ensuring accurate data transmission

**KithcenGuard:** Developed an Arduino-based project aimed at enhancing kitchen safety and security.

## Licenses and Cerifications

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| **Cubesat Hands-on Training Week 2022** | European Space Agency |
| **Automatic Control of Aerospace Systems** | Delft University of Technology |
| **Basic Life Support for Healthcare and Public Safety** | European Resuscitation Council |

## Skills

**Languages:** Python, C++, Java, TypeScript, Dart, C, JavaScript

**Software tools:** Angular, Flutter, PowerApps, Firebase, SQL, Verilog, Git, Kafka, Quix, River, TextX, Jinja

## Societies and Affiliations

EESTEC LC Thessaloniki, PR member, 2020-2021
Mensa – Member

## Languages

Greek (Native), English (C2) , German (B1), Italian (B2)