

Ioannis Bekiaris

Seeking a job to acquire new skills and make a meaningful impact

- Born: 19-10-1996 • Herning, Denmark • Phone: +45 9395 6980 • Email: johnbekiaris13@gmail.com
- LinkedIn: [Ioannis Bekiaris](#) • GitHub: [Bekathunder215](#) • My website: [Ioannis Bekiaris](#)

Personal profile

Dependable and hardworking person with a friendly and outgoing personality. Open-minded and motivated, I approach tasks with a detail-oriented mindset, striving for thorough and precise outcomes in whatever I do. I have a positive approach to new tasks and see myself as a dedicated, independent, and responsible employee who greatly appreciates being part of a team but also working individually. I have an immense appetite to learn and grow my knowledge, thus I wish to work in a company where I will be met with a steep learning curve and through that grow my skills even further.

Education

Technical University of Denmark (DTU), Copenhagen, Denmark

Master of Science in Human Centered Artificial Intelligence

– Feb 2025 - Present

National Kapodistrian University of Athens, Department of Physics, Athens, Greece

Bachelor of Science in Physics, Section of Electronic Physics and Systems

Thesis: Machine Learning and Neural Networks for Predictive Maintenance in Naval Vessels

Specialization in Electronics, Computers, Telecommunications and Automatic control.

– Graduated: October 2023

Harvard, Cambridge, Massachusetts

CS50 Introduction to Programming with Python

CS50's Python course for general programming principles with Python.

– Graduated: October 2024

Skills

Programming Languages

Proficient in Python, SQL, and C; experienced with JavaScript, HTML5, CSS, C++, and Bash.

Frameworks and Tools

Experienced with React, Typescript, Agile methodologies (Scrum), version control (Git, GitHub), and debugging and testing tools.

Machine Learning and Data Analysis

Skilled in machine learning and neural networks using PyTorch, with data analysis expertise in Pandas and NumPy. Familiar with data visualization using Seaborn and Matplotlib.

Web Development

Full-stack experience with backend development in Python and SQL, REST API development, and frontend with React.

Software and Engineering Tools

Experience with Vivado, LTspice, MATLAB, and Excel for technical tasks and simulations.

Additional Skills

Effective and reliable communicator, strong troubleshooting skills, and experienced in Microsoft Office Suite.

Relevant Coursework

Signals and Systems, Computer Systems Organization, Operating Systems, Automation systems, Microelectronics, Telecommunications, C and C++ programming, Linux, Optoelectronics and Optical Telecommunications and related

laboratories for all.

Languages

- **English:** Fluent in speaking as well as writing.
- **Greek:** Native language.
- **Danish:** Beginner.

Projects

- **Machine Learning for Predictive Maintenance**, National Kapodistrian University, Athens, Greece, Sept 2023
*Coded in Python, using pytorch library amongst others. This thesis was mostly an introduction to the endless possibilities of how machine learning models can provide solutions. My role was to **develop** the Neural network, **train** it, based on the dataset, and evaluate it. This Thesis also contains a chapter that introduces basic Dataset handling and Data Analysis. The libraries used are pandas, numPy, Pytorch, Torchvision, seaborn, matplotlib.pyplot.*
- **Local AI Agent in Python**
*Built an AI agent using mistral and llama3 for document retrieval and QA tasks with Python: **LLM, RAG.***
- **Data Structures in C**
*Coded Data Structures (with all their relevant functions in C) such as : **Binary Search Tree, Red Black Tree, Linked Lists, Heap and Stack.***
- **Matrix multiplication with Threads in C**
Coded and came to an understanding how threads work in C and what they offer as a difference in time, but also functionality, being careful of race conditions
- **Sorting Algorithms in C**
*Coded in C in order to understand divide and conquer algorithms, such as the **Mergesort** algorithm*
- **Object Oriented Programming in C++**
Coded a simple program in C++ in order to showcase object oriented programming.
- **Binary Search Algorithm in Python**
Coded in Python, with time print to express the difference in times compared to normal search.
- **Games in Python**
*Coded some games in Python, games like simple **Quiz** with the use of dictionaries and lists, a **guessing** game with numbers, a **Rock_Paper_Scissors** game and many more (it's all in my GitHub)*
- **Use of Python Libraries**
***Open CV** for face detection, **Requests** for web scraping and email automation, **PIL** for image handling, and **MatPlotLib** for graphing.*
- **Games in Javascript**
*Coded Games in JavaScript to learn about **CSS, HTML** and JavaScript, games like an **IOS calculator clone, Pong, Snake and Rock Paper Scissors.***
- **Full Stack App in Javascript, Python**
*Coded a Full Stack App with database intergration and simple REST API for the **backend** to communicate with the **frontend**. Python and SQL was used for **backend** and React Library for **frontend**.*
- More on my [GitHub](#)

Interests

Passionate about emerging technologies in AI and IoT, as well as exploring automotive and engineering advancements.

Experience

Jensens Bøfhus, Herning, Denmark

Restaurant

2024 - Current day

Cooking, cleaning

Cook

DVDCollection, Chalandri, Greece

DVDStore

2016 - 2018

Managing, sales, and organizing

Sales Representative

EXESIO, Athens, Greece

Postal Services

2017 - 2018

Same-day delivery, organizing, route planning, providing Cash on-demand service to customers

Delivery Worker

Lucky Pets, Chalandri, Greece

Pet Shop

2018 - 2019, 2020 - 2022

Managing, sales, organizing, warehouse stock management and price matching

Assistant Manager and Sales

Hellenic Army, Marines Special Forces

2019 - 2020

Completed my mandatory service in the Greek Army

Military Service

References

Available upon request.