KIMONAS TSILIRAS

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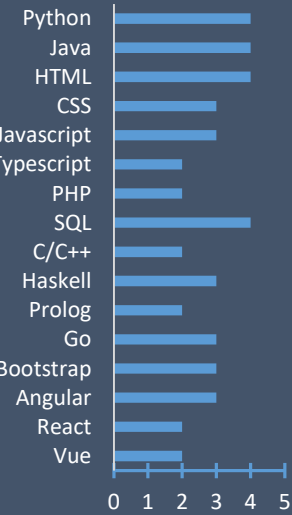
EDUCATION

**MSc Artificial Intelligence
Kings College London**
Sep 2023- Sep 2024

**BSc Computer Science
University of Exeter, UK**
Sep 2020 – June 2023
Upper Second class (2:1)

**International Baccalaureate
(IB)** Doukas School, Athens,
Greece Sep 2018-Jun 2020

IT LANGUAGES / FRAMEWORKS

Language	Level (0-5)
Python	5
Java	5
HTML	4
CSS	3
Javascript	3
Typescript	2
PHP	2
SQL	4
C/C++	2
Haskell	3
Prolog	2
Go	3
Bootstrap	3
Angular	3
React	2
Vue	2

TECHNICAL (IT) SKILLS

Programming
Database Management
Data Analytics
Data Structures
Machine Learning
Computer Vision
Web Development
Digital Animation
Graphics Design

PROFILE

Computer Science BSc Student, University of Exeter, UK. Seeking for a challenging MSc in Artificial Intelligence to expand and enhance my IT competences. Motivated in solving difficult problems via creative & analytical thinking. Successfully completed various IT projects using machine learning, computer vision, web development, data structures, data analytics, database management, digital animation and graphics design over the past six years. Sensitive to different cultures, team leader and team player establishing and fostering strong relationships among team members. Strong ability to adapt and evolve in a changing and challenging environment.

WORK EXPERIENCE - INTERNSHIPS

Jun & Jul 2023 — **Full Stack Development Intern, OTE-Hellenic Telecoms, Athens, Greece**. Contributed to the development of an AI-powered web application that processes job candidates' CVs using ChatGPT. The app was built using Vue JS and Python Flask.

Jun & Jul 2022 — **Application Developer Associate Intern, Accenture, Athens, Greece.** Contributed to enhancing the largest Greek bank's website by adding new functionalities for microloan applications and business accounts opening.

Sept 2021 to May 2022 — **Python Instructor, Entrepreneurship Society, Exeter University, UK** ExCode Programme: Teaching Python fundamentals to Exeter Uni students from other study fields wishing to learn how to code.

Jul & Aug 2021 — **Front End Developer Intern, Ernst & Young (EY), Athens, Greece** Data & Analytics Department: contributed to the design of an application maintaining accounting and actuarial data as well as security and error logs for a large insurance company customer using Angular.

Jun & Jul 2020 — **Data Science Intern, OTE-Hellenic Telecommunications, Athens, Greece**. Data Strategy & Advanced Analytics Department: Data Science Project on Customer Churn: examined the customer attributes with the greatest influence on terminating their contract and switching telecom operators by using Python pandas and matplotlib.

BSc COMPUTER SCIENCE – KEY PROJECTS

3rd Year Projects
- Dissertation-Individual Project: Skin Lesion Classification using Deep Learning Architectures (Convolutional Neural Networks & Machine Learning Classifiers) - *ongoing*

Sept 2022 to May 2023
- AI Project: Designed a machine learning model predicting the likelihood of a student in the UK to graduate with a first class honors degree using fundamental AI concepts and Python programming.
- AI Project: Implementation of the Ant Colony Optimisation Algorithm to solve the Quadratic Assignment Problem using Python.
  additional projects to be determined

2nd Year Projects

Oct 2021 to Apr 2022
- AI Project: Implementation of the A-star Algorithm to solve the 8-puzzle problem using Manhattan and Hamming distance heuristics.
- AI Project: Implementation of an Evolutionary Algorithm to solve a Sudoku Puzzle.
- Group Software Engineering Project: Developed a web application game for students to explore Exeter University's campus and interact with various facilities using HTML, CSS, JavaScript, SQL, Python Django.
- Software Development project: "Pebble Game". Developed a Command line multiplayer game in Java using Java Threads.

1st Year Projects

Oct 2020 to Apr 2021
- COVID-19 Contact Tracing Web Application using HTML, CSS, PHP, SQL and JavaScript
- Social Media Messenger for text messages (like Twitter) using Java
- Text File compression using Python and Huffman coding
- COVID-19 Test Booking Application using Java
- Student Performance Record keeping Program using Java
- Smart COVID-19 Alarm using Python: Application retrieving real-time COVID-19 and world news data from APIs and displaying it to the user at a predetermined time of day.

OTHER COURSES - CERTIFICATIONS

July-Aug 2020	Certification in Retrieving, Processing, and Visualizing Data with Python, Coursera - University of Michigan, USA
Jul 2017 & Jun 2016	Certification in Digital Animation (Adobe Illustrator & Adobe Effects) by the Institute of Informatics & Telecoms, National Scientific Research Centre "Demokritos", Athens, Greece.
Jun 2016	Certification in Robotics by the Institute of Informatics & Telecoms, National Scientific Research Centre "Demokritos", Athens, Greece.

PREVIOUS INTERNSHIPS / PROJECTS / QUALIFICATIONS (during high school)

Sep 2020	Global City-Weather Discord Bot using Python: Design of a chatbot that retrieves real-time data from a weather API and displays the weather conditions for a city input by the user.
Jun 2019 - Apr 2020	*"Smart Homes. To what extent do Greek Consumers use Smart Home Solutions for Home Protection and Security?"* Research Project for the IB's Extended Essay requirement in the Information Technology in a Global Society (ITGS) subject
Jun 2019- Apr 2020	Development of an Educational Quiz Platform for OTE Telecommunications Academy using Java. For the IB's Computer Science Project requirement.
Jun 2019 – Apr 2020	Development of a Promotional & Training Video for OTE's Customer Experience department with Digital Animation using Adobe Illustrator & After Effects. For the IB's ITGS Project requirement
July 2019	Two week Internship at the Institute of Informatics & Telecommunications, National Centre for Scientific Research Demokritos, Athens, Greece: various Digital Animation Projects.
Jan-Oct 2018 award: Jun2019	Internship at OTE-Hellenic Telecommunications Org. *"Big Data & Digital Marketing. How Do They Impact Telecom Customers and Telecom Operators in Greece?"* Research for the Extended Project Qualification (EPQ). A* awarded by UK's AQA org.
Oct 2016- June 2017	*"Are Smart Homes becoming a general reality?"* Research for the Higher Project Qualification (HPQ). A*awarded by UK's AQA org. Demonstrations held at the Smart Home Lab of OTE Academy.
Jul 2017 & Jun 2018	Summer SMART Camps. Institute of Informatics & Telecoms, National Scientific Research Centre "Demokritos", Athens, Greece. Certifications in Robotics & Digital Animation.
Sept 2017 to June 2018	Member of the school's Entrepreneurship Club. Set up the virtual company "Olympian Boxes" and entered the competition "Junior Achievement (JA) Greece"- Subsidiary of JA Worldwide. Created gift boxes with traditional Greek products and sold them at JA's PanHellenic commercial exhibition. Held the Finance Director role. Created a business plan in Excel and maintained the financial section of the business.