IOANNIS SINA

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EDUCATION

University of Patras   September 2017 – July 2023
- Diploma (Integrated Master) in Computer Engineering and Informatics – Grade: **8.23**/10.
- **Thesis topic**: Seismic activity early warning system using deep architecture networks – Created a CNN and trained it using the spectrograms, in an attempt to make it detect the p-wave of a seismic event before the s-wave arrives. – **Tech**: Python, Tensorflow – **Supervisors**: Emmanouil Z. Psarakis, Olga-Joan Ktenidou, Efthimios Sokos.

EXPERIENCE

YourPen — Co-founder   May 2023 – December 2023
- Implemented a content management and creation platform. Run a closed beta with 140 active users. (https://yourpen.ai/). Part of Microsoft for Startups. Tech: Azure, Django REST, OpenAI API, Stripe.
- **Interviewed by Y Combinator** for Winter 2024 Batch – Co-founder: Agisilaos Kounelis

2022 Google Summer of Code with GFOSS — Mentor   May 2022 – August 2022
- Mentored a student who extended the open-source project Label Buddy (audio annotation tool) by adding AI prediction assistance to the annotation process.

Holiday Residence — Manager   May 2022 – September 2022
- Responsible for organising tourist accommodation as well as holding a managerial position in the residence, managing bookings, transportation, finances and Website.

2021 Google Summer of Code with GFOSS — Student   May 2021 – August 2021
- Created **Label Buddy**, a fully working web annotation tool used for labeling audio.
- Demo: https://labelbuddy.io/ (username: demo, password: labelbuddy123).
- Tech: Django, Django REST, HTML, JS, Docker, Nginx – Mentors: Pantelis Vikatos, Markos Gogoulos.

Lab of Distributed Systems and Telematics — Research Assistant   March 2021 – December 2021
- University of Patras: Published a research paper which uses the k-means algorithm to allocate users to base stations in a given network – Tech: MATLAB – Supervisor: Christos Bouras.

CarMates — Co-founder   August 2020 – January 2021
- Developed a long-distance carpooling service for Greece – **Orange Grove Autumn 2020 Incubation.**
- Tech: Python, Django, Djanfgo REST, React Native – Co-founder: Agisilaos Kounelis.

Bus company — Ticket conductor   July 2019 – September 2019
- Worked seasonally as a ticket conductor responsible for assisting visitors to Paros, Greece.

SKILLS

Languages: Greek (native), English (CEFR Level C2 - Proficient), Albanian (native), French (conversational)
OS: Windows, macOS, Linux
Programming: Python, C, C++, JavaScript, Java
Frameworks/Databases: Django, Docker, Flask, NodeJS, Tensorflow, Pytorch, MySQL, SQLite, PostgreSQL
Other skills: GitHub, Stripe, GitLab, Figma, Draw-io, MatLab, TensorFlow, LaTeX, Microsoft Office
Interests: Algorithms, Bioinformatics, Machine Learning, Computer Vision, Programming, Music

PUBLICATIONS

[1] C. Bouras, R. Kalogeropoulos, and I. Sina, "Clustering based user allocation in 5g networks," in *2021 International Symposium on Networks, Computers and Communications (ISNCC)*, pp. 1–6, IEEE, 2021.

[2] C. Bouras, V. Kokkinos, A. Gkamas, E. Michos, I. Sina, I. Prokopiou, and F. Allayiotis, "An introduction of upcoming radio resource management techniques for 5g networks,"

UNIVERSITY ACTIVITIES

iGEM Competition: Participated in the annual International Genetically Engineered Machine competition.
Object-Oriented Programming ans Computer Architecture Lab Assistant: Assisted students during the lab exercises by answering questions.

PARTICIPATIONS

3D Printing Contest (Uni. of Patras): Helping disabled students in their daily lives (**Winner**)
Future Greek Rail: TrainOSE Hackathon
Reply challenge: 2019, 2020 (secutiry), 2021 (security), 2021, 2022 (5th in Greece)
Google Hash Code: 2020, 2021, 2022