ARISTOTELIS VONTZALIDIS

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EXPERIENCE

Research Engineer - Institute of Communication and Computer Systems

National Technical University of Athens

September 2021 – Currently Athens, Greece

- Work on the DAPHNE project, a system infrastructure for data analysis pipelines, data processing, HPC and ML, written in C++ using the MLIR framework (`https://daphne-eu.eu/`).
- Working with team (CSLab and other universities) on design and development of the distributed runtime.
- Assistance to undergraduate student with his thesis, follow-up of my thesis titled "Branch prediction using Artificial Neural Networks".

Salesman

Germanos

Jul - Aug, 2014-2021 Karlovasi, Samos

- Customer service, worked during summer breaks.
- Tech expert, was in charge for all tech related support, including fixing software and simple hardware related issues for smartphones, laptops.

TECHNICAL SKILLS

- C | C++ | C# | Python | Java
- App & Web Development | Web(HTML,CSS,JS) | Databases | SQL | Angular | NodeJS(Express)
- ML–PyTorch
- Xamarin

LANGUAGES

- Native language Greek
- Proficiency in English – ECPE

PERSONAL SKILLS

- Ability to work under pressure.
- Ability to take initiative to solve problems.
- Team spirit.

HOBBIES

- Playing and listening to Music.
- Working out and playing video games.

ACHIEVEMENTS

- Military obligations fullfilled.

EDUCATION

NTUA (ECE) - 7.5 CGPA

National Techical University of Athens at Electrical & Computer Engineering

Sept. 2014 – July 2021

PROJECTS

Branch prediction using artificial neural networks

- For my diploma thesis, I was inspired from prior work (BranchNet), to train machine learning models (neural networks), in order to predict Hard-to-Predict branches, where state-of-the-art predictors fail. I used PyTorch framework for machine learning and Champ-Sim simulator for evaluation.

City lights

- I have developed a cross platform mobile application using Xamarin where the user can place lamps(pins) on a map. It was used as a logger for street lights within a municipality.

Voncoin

- I developed a simple cryptocurrency from scratch using python3. It was based on bitcoin and was implemented for a Distributed Systems class project.

Customer Relationship Managment

- It was developed for our family business, in order to track customers and their needs for future services. It was implemented with WPF (C#) and SqlLite.