ARISTOTELIS VONTZALIDIS

☎ +30 698 068 2223　　📍 Stockholm - Sweden　　@ aris.vontz@gmail.com　　○ github.com/aristotelis96
in linkedin.com/in/aris-vontz

EXPERIENCE

Research Software Engineer

Institute of Communication and Computer Systems

📅 September 2021 – Currently

DAPHNE
- Work on the DAPHNE project, a system infrastructure for data analysis pipelines, data processing, HPC and ML, written in C++ using the MLIR framework (EU 957407 - `https://daphne-eu.eu/`).
- Working with team (ICCS and other institutes) on design and development of the distributed runtime.
- Implemented Daphne's Web UI (Angular & Flask API).
- Implemented Daphne's serialization library.

Data analytics tasks
- Worked in performing data analysis and time-series forecasting. Data extraction, data cleaning and machine learning (SQL and Python). Published our work at IEEE Access.

Kubernetes
- Deployed a small Kubernetes cluster and installed Knative.
- Modified & deployed vSwarm and FunctionBench benchmarks.

IT Support

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.

Military Obligations fulfilled

📅 Nov - 2020, Jul - 2021

TECHNICAL SKILLS

- C++ Python JavaScript Bash SQL C#
- App & Web Development OOP Web(HTML,CSS,JS)
  Databases Angular NodeJS(Express) Git Linux

LANGUAGES

- Native language Greek
- Proficiency in English – ECPE

PERSONAL SKILLS

- Eager learner, passionate about embracing new technologies.
- Ability to take initiative to solve problems.
- Team spirit, enjoys assisting colleagues.

EDUCATION

MEng Electrical & Computer Engineering

National Techical University of Athens- 7.5 CGPA

📅 Sept. 2014 – July 2021

- **Thesis:** I was inspired from prior work (BranchNet), to train machine learning models, in order to predict Hard-to-Predict branches, where state-of-the-art predictors fail. I used PyTorch framework for machine learning and ChampSim simulator for data extraction and evaluation.

PROJECTS

City lights
- A cross-platform mobile application using Xamarin (Android & Windows) that allows users to place pins on a map and log street-light related information. The app was used as a tool by the municipality of Gythio Greece.

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.

Student Offers
- A user-friendly website for a school project with Express.js, MySQL and AngularJS. Users can search for special promos and log new ones.