ALEXANDRA ZISIMOPOULOU

SOFTWARE DEVELOPER

(+30) 6940610905
zisimopouloua@protonmail.com
Αθήνα
zisimopoulou.github.io
Alexandra Zisimopoulou
github.com/Zisimopoulou

SKILLS

PROGRAMMING LANGUAGES

- Java
- SQL
- Python
- C++

TOOLS

- Git
- Jira
- Latex
- Quantum ESPRESSO
- Yambo

LANGUAGES

- Greek
- English

OPERATING SYSTEMS

- Windows
- Linux

PROJECTS

ACME Delivery Service

A team project completed during the PublicNEXT graduate program. Developed a web app using for ordering food, searching for stores, and managing orders.

Back-end Front-end

Mobile Manipulation Capstone

Developed a software using Python, for trajectory planning, odometry, and feedback control of a youBot mobile manipulator.

Bachelor & Master Thesis

Implemented theoretical models and numerically calculated parameters using MATLAB, for Matrix representation, functions & tensor analysis and 1-D, 2-D & contour plots.

WORK EXPERIENCE

Public Next — 07/2022-Present

Back-end developer

- ATG Java framework, SQL and Oracle database.
- Jira and Git for project management and version control
- Contributed to big projects involving payment methods (Iris and Revolut) and search engine optimization (SEO)
- Implemented scheduling mechanisms to automate SMS and email communication workflows.
- Worked on APIs

Foundation for research and technology — 10/2021 - 01/2022

Researcher

- Worked on the softwares, Quantum ESPRESSO and Yambo to calculate numerically optical and thermodynamic properties of metals.
- Calculations were completed using the Linux command line.

EDUCATION

PUBLIC NEXT GRADUATE PROGRAM — 07/2022 - 05/2023

A 500 hours Learning & Development Program with Instructor-Led training, On-The-Job training and e-learning courses.
Skills: Spring Boot, Angular, SQL, Git

MASTER OF SCIENCE IN PHYSICS — 2018 - 2020

University of Copenhagen, Niels Bohr Institute

Thesis title: The CMB on large angular scales

BACHELOR OF SCIENCE IN PHYSICS — 2012 - 2018

University of Crete

Thesis title: Perfect Transmission in Non-Hermitian Scattering Media

GPA: 7.82/10

COURSES & CERTIFICATES

- CS-473 Pattern Recognition (MATLAB)
- CS-150 Programming (C++)
- Modern Robotics: Mechanics, Planning, and Control Specialization (Python)
- Complete Python Bootcamp: From Zero to Hero in Python
- Awarded by the Hellenic Mathematical Society for the distinction in the Sixteenth National Competition in Astronomy and Space Physics