







# ALEXANDRA ZISIMOPOULOU

## SOFTWARE DEVELOPER

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## SKILLS

### PROGRAMMING LANGUAGES

- Java/Spring Framework
- SQL
- NoSQL
- Python

### TOOLS

- Git
- Jira
- Openshit
- MongoDB
- Oracle SQL Developer

### 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

#### Java Developer

- ATG Java framework, SQL and Oracle database.
- Jira and Git for project management and version control.
- Worked on Microservices (Spring framework).
- Projects: Iris and Revolut payment methods, force prepayment, user consents, filtering mechanism, etc.
- 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