



# Alexandros Zerntev

AI Engineer, Full Stack Engineer

## CONTACT

Athens, Ilion 13122

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alexzerntev@gmail.com

GitHub

LinkedIn

Website

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Medium

## LANGUAGES

Greek

Native

Russian

Native

English

C2

## SKILLS

### JavaScript

Angular, AngularJS, React, TypeScript



### Python

Numpy, Pandas, Matplotlib, Tensorflow



### AI Engineering

Pydantic, LangChain, CrewAI



### C#

.Net Framework, .Net Core, Entity Framework, Windows Forms



### Operating Systems

Linux, Windows



### CSS

Bulma, Bootstrap, TailwindCSS, Prime



### Databases

SQL (MySQL, MSSQL, ORACLE), MongoDB



### Other Languages

Java, C, C++, PHP, Scala



## EXPERIENCE

### 2021 - Present

#### Full Stack Software Engineer - AI Engineer

RAW Labs

**Projects:** **MXCP** - An MCP production ready framework. **Snapi** (Snippet - API) - functional query language (Parser, semantic analysis, compiler implementation with GraalVM/Truffle), **RAW Platform** - Design, Angular frontend, VS Code extension

### 2017 - 2021

#### Full Stack Software Engineer

Hellenic Air Force

**Projects:** **Covid-19 SPA** (Covid incidents entries, vaccinations entries, epidemic actions guidance for doctors, statistics for HQs, critical condition patients live auditing, Command and Control separation of concern), **Healthcare Financial Management** (Healthcare invoices and expenses entries, state tracking, amounts computation automation, integrity evaluation), **Human Resource Healthcare Management** (Social security employees and members management, employees health issues history management)

### 2016 - 2017

#### Software Developer

Hellenic Army Information Technology Support Center

**Project:** **Unified National Defence Document Management System** (Document creation, digital signing, commenting, distribution, task assignment and progress tracking, Navy - Army - Air Force interconnection)

### 2015 - 2016

#### Junior Software Developer

Hellenic Air Force

**Projects:** **Document Management System** (Document creation, digital signing, commenting, distribution, task assignment and progress tracking, based on organization specific needs), **Command And Control Application** (Monitoring of operational availability)

## EDUCATION

### 2020 - 2024

#### Master's Degree in Data Science and Information Technologies

National and Kapodistrian University of Athens, Department of Informatics and Telecommunications

**Specialization:** Big Data and Artificial Intelligence

**Thesis:** Development of just-in-time query operators for complex data using partial evaluation

### 2017 - 2019

#### Bachelor's Degree in Computer Science

National and Kapodistrian University of Athens, Department of Informatics and Telecommunications

**Specializations:** Data and Knowledge Management, Software

### 2014 - 2015

#### Software Developers School

Hellenic Army General Staff

### 2010 - 2012

#### Bachelor's Degree in Radar Communication and Systems Technology

Hellenic Air Force NCO's Technical Academy

## RESEARCH EXPERIENCE

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- **Semantically Assisted Loop Closure in SLAM Using NDT Histograms**

*IEEE Intelligent Robots and Systems (IROS) 2019*

**2019**

Zaganidis A., Zerntev A. Duckett T., Cielniak G.

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## VOLUNTEERING

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- **7th Human Brain Project Summit**

Hosted by "Athena" Research and Innovation Center

**2020**

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## PERSONAL INTERESTS

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Learning

Martial Arts

Fitness