

## CONTACT

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LINKEDIN:  
[John Torakis](#)

## SKILLS

Ability to Work Under Pressure  
Decision  
Teamwork  
Creativity

## LANGUAGES

Greek (native)  
English (fluent)

## PUBLICATIONS

[Pancreatic Cancer and Its Correlation with Embryogenesis: Identification of Biomolecular Markers Using Machine Learning Methods](#)

## EXTRAS

Completed military services

## HOBBIES

Basketball  
Music

# IOANNIS TORAKIS

## SOFTWARE ENGINEER / BIOMEDICAL ENGINEERING MSC STUDENT

Electrical and Computer Engineer engaged in the banking industry. He is passionate about Software Engineering, mainly focused on web applications and machine learning. His subjects of interest include Biomedical Engineering.

## EDUCATION

**MSc in Biomedical Engineering**  
**University of Crete, School of Medicine**  
09/2020 – 05/2022

Degree Thesis: Design of a multi-feature classification scheme for infant epileptic seizures

**BSc in Electrical and Computer Engineering**  
**Technical University of Crete**  
09/2014 – 09/2019

Degree Thesis: Machine learning methods for the evaluation of biomolecular markers of pancreatic cancer and its correlation with embryogenesis.

## WORK EXPERIENCE

### Qualco – Project Software Engineer

04/2022–Present  
Athens, Greece

- He was a member of the project engineering team, where his responsibilities included the development and maintenance of Qualco's main product (Qualco Collections System).
- He worked on .NET technologies for the implementation of new functionality in QCS
- He also got involved with data integration tasks on SQL Server Management Studio

### Unisystems – Software Engineer

12/2021–03/2022  
Athens, Greece

- Worked for Alpha Bank Greece. We worked in the core banking system (CBS) which is used in the bank's core operations.
- He was part of the Unified Front End layer (UFE), which contains the front end, built in Angular 10 and the back end used to communicate with the middleware layer, built in .NET Core (C#).
- He worked with the latest Angular technologies, including NgRx and RxJS for state management.
- He developed APIs in .NET Core, which were used to communicate with the middleware through SOAP and with the

front end through REST. MySQL Server was used for the database needs.

- He worked as a team member and came along various tasks, while taking responsibility for big scale projects.

#### **Epic Studios (Unisystems) – Software Engineer**

12/2020–11/2021

Athens, Greece

- Worked for Alpha Bank Greece. We worked in the core banking system (CBS) which is used in the bank's core operations.
- He was part of the Unified Front End layer (UFE), which contains the front end, built in Angular 10 and the back end used to communicate with the middleware layer, built in .NET Core (C#).
- He worked with the latest Angular technologies, including NgRx and RxJS for state management.
- He developed APIs in .NET Core, which were used to communicate with the middleware through SOAP and with the front end through REST. MySQL Server was used for the database needs.
- He worked as a team member and came along various tasks, while taking responsibility for big scale projects.

#### **Deloitte - Software Engineer / Consultant**

11/2019–05/2020

Athens, Greece

- Worked for the National Bank of Greece. He got involved in the internet banking redesign project, where he came across different tasks.
- His main task was to create Rest APIs using .NET Framework, implementing functionality for the internet banking redesign project. The APIs were developed on Windows Local IIS server. MySQL Server was used for the database needs.
- He also worked on Automation Testing, using Specflow and Selenium (Behavior Driven Testing for .NET).
- He worked as a team member and cooperated with/worked alongside other teams in order to complete his tasks.

#### **Nokia - Software Engineer (Internship)**

12/2018–11/2019

Athens, Greece

- Developed and maintained web applications
- Worked on CI/CD projects
- Worked on multinational projects
- Used Flask/Spring frameworks for backend
- Used Angular for frontend

#### **Technical University of Crete - IT Systems Administrator (Internship)**

03/2018–12/2018

Chania, Greece

- Installed, managed, and maintained computing systems
- Continuously updated the working interface of the users
- Provided support on Hardware/Software issues

### **PROGRAMMING LANGUAGES**

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C#, .NET (Framework/Core), Typescript, JavaScript, R, Python, Flask, Java, Matlab, C, VHDL, SQL, Redis, Assembly

## EDUCATIONAL PROJECTS

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### Microprocessor Design

- Completely designed a pipelined MIPS microprocessor (datapath and Cache) in VHDL

### Compiler Design

- Designed a simple compiler of a fictional language, using lexer and bison on linux environment, that compiled and translated the language to C99

### Artificial Intelligence

- Proposed a solution for the N-Queens problem, implementing an offline and an online algorithm in C

### PostgreSQL Database

- Designed a database for the department of Electrical Engineers of Technical University of Crete in PostgreSQL

### Operating System

- Designed the scheduler for a simple operating system, on linux environment
- Implemented pipes and sockets on the same system

### Telecommunication System

- Designed a simple telecommunication system between a transmitter and a receiver in Matlab
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