

Ioannis Tzortzakis

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Summary

I am a Software Engineer who loves to code and learn new skills. I consider myself a responsible team player with an open-minded approach to problem-solving. My goal is to expand my skill set and make contributions to the field of Computer Science.

Education

Computer Science Department, University of Crete

Heraklion, Crete, Greece

BSc in Computer Science

Sep. 2019 - Currently

- Project 'Alpha' Compiler: Implemented a Compiler for a custom language 'Alpha' written in C. The project consisted of 4 phases, lexical analysis, syntactical analysis, intermediate code generation, and final code generation.
- Project 'Search a Movie!' (Information Retrieval): Information Retrieval project utilizing Python flask backend, Whoosh Library for IR, frontend using HTML, CSS, and Kaggle Dataset.
- Project 'CCC' (Credit Card Company): Designed and implemented a system in JAVA and SQL that automates a portion of processes in the context of a Credit Card Company.
- Project 'E-Eat' (HCI): Implemented the Front-end for an online table-reservation site, following HCI principles (Human-Computer Interaction), using the tool FIGMA.
- Project 'E-Libraries': Implemented the Front-end and Back-end for a site, in HTML, CSS (Bootstrap), Javascript, JSP, and JAVA Servlets.
- Project 'MicroTCP': Implemented a library that provides a simple TCP protocol (utilizing the available UDP protocol).
- Project 'Amphipolis': Created a GUI in JAVA applying various programming techniques (MVC- Model View Controller).
- Project 'Among Us': Developed the back-end for the popular game 'Among Us' utilizing (Stacks, Lists, Trees, and Hash Tables) in C++.

Work Experience

ICS-FORTH

Heraklion, Crete

Junior Software Engineer

Jan. 2019 - Feb. 2019

- Introduced to a computer vision project that involved analyzing images of water droplets under vacuum conditions. The images were processed using edge detection algorithms, and we then created a mesh using the 3D models and extracted results from the produced .xyz file.

Freelance

Heraklion, Crete

Web Developer/Designer

Jun. 2023

- I decided to make my own website and dive into web development to learn more about this interesting area and obtain real-world experience.

Skills

Programming C, C++, Java, Python

Back-end PHP, Java Servlets, JSP

Front-end HTML, CSS-Bootstrap, Javascript

Other Skills Organization and Time Management, Problem-Solving, Dependable and Responsible, Self-Motivated

Languages Greek - Native speaker, English - C2 degree