

ANGELOPOULOS KONSTANTINOS

Software Engineer

@ kwstantinos.agelopoulos@outlook.com

📍 Athens, Greece

in KonstantinosAngelopoulos

🎮 CyberBoy

f Facebook

💬 Skype

🔍 Google Scholar

RG ResearchGate

🔗 CodeWars

🎮 CodinGame

EXPERIENCE

Software Engineer - Ground Zero Labs

NextJS, GraphQL, Apollo, ThemeUI, Zustand, Lerna, Docker, ExpressJS & Redis

📅 Sep 2021 - Today

📍 Athens, Greece

A member of 4 Eurobank Agile teams working on:

- A new platform aimed at improving the credit underwriting process for corporate customers.
- A Visualizer UI based on elastic search data of credit underwriting rules used for auto-approving credit underwriting.
- A new platform aimed at improving the credit underwriting process for retail customers.
- A new platform aimed at improving the credit underwriting process for mortgage loans.
- A new platform aiming to enhance the process of applying for a Business Credit Card, a POS Cash Advance, and a e-POS product using Eurobank's mobile banking service.

Software Engineer - VAKTRO

NextJS, NextAuth, Zustand, Docker, TailwindCSS, PostgreSQL, SAP Service Layer

📅 Aug 2020 - Aug 2021

📍 Patras, Greece

- Designed, developed and deployed a B2B e-Commerce platform for a medical equipment company, enabling streamlined ordering of consumables and replacement parts by doctors and laboratories.

Research Associate/Lab member - University of Patras

Robot automation & Image processing

📅 June 2018 - July 2020

📍 Patras, Greece

- Developed an algorithm to facilitate Human-Robot collaboration for folding fabrics.
- Working in European project «Seamless and safe human-centred robotic applications for novel collaborative workplaces».

PUBLICATIONS

- [1] Konstantinos Angelopoulos, Panagiotis Koustoumparis, and Evangelos Dermatas. "Human-Robot Collaboration Solution for Folding Fabrics Based on RGB-D Force and Kalman Filters". In: *Robotics Reports* (2024). DOI: 10.1089/rorep.2023.0018.
- [2] Panagis Foteinopoulos et al. "Development of a simulation approach for laser powder bed fusion based on scanning strategy selection". In: *International Journal of Advanced Manufacturing Technology* (2020). DOI: 10.1007/s00170-020-05603-4.
- [3] Dimitris Mourtzis, Konstantinos Angelopoulos, and Vasilios Zogopoulos. "Mapping Vulnerabilities in the Industrial Internet of Things Landscape". In: *Procedia CIRP Design* (2019). DOI: 10.1016/j.procir.2019.04.201.

EDUCATION

Master of Science (M.Sc.)

Hellenic Open University

📅 Oct 2022 - June 2025

«Master of Science in Data Analysis and Machine Learning»

Master of Engineering (M.Eng.) (8.0)

University of Patras, Mechanical Engineering & Aeronautics

📅 July 2013 - July 2020

Diploma Project:

«Cybersecurity for Industry 4.0»

Diploma Thesis:

«Human-Robot Collaboration for fabric folding using RGB-D and Kalman Filters»

Azure AI Fundamentals

Microsoft

📅 Dec 2024 - Today

Proficiency Certificate for English

ECPE - Hellenic American Union

📅 June 2016

TECHNICAL SKILLS



FRONT-END



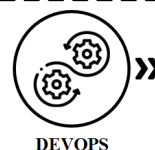
NEXT.js



BACK-END



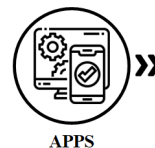
DATABASES



DEVOPS



Actions



APPS



React Native

Electron



PROJECTS

Human-Robot Collaboration for fabric folding

This algorithm is designed to utilize the Kinect 2 RGB-D sensor, the ATI Force Torque Gamma Sensor, the Reflex One gripper and non Linear Kalman Filter estimation to enable the KUKA LWR IV+ industrial robot to assist a Human in folding a rectangular piece of fabric.

[Python](#) [Robot Automation](#) [Sockets](#) [ROS](#) [OpenCV](#)

Real-Time Dynamic Point Clouds

Creating real-time dynamic Point Clouds using PyQt-Graph, Kinect 2 and the python library PyKinect2. It supports color overlay, skeleton tracking overlay and body point cloud overlay.

[Python](#) [PyQtGraph](#) [Kinect2](#) [Point Clouds](#)

WebViewPages

An Electron app that lets you see how your web Application/website shows in Mobile view and Full view at the same time to assist in responsive web designs. Basically a lightweight browser with only the basic tools for web development to boost productivity.

[Javascript](#) [ElectronJS](#) [App](#) [Productivity](#)

Cryptocoins Dashboard tracker

A simple cryptocurrency tracker using coingecko API on the backend and ReactJS & Tailwind CSS for the frontend. Data updates every 4 minutes if page left open.

[Javascript](#) [ReactJS](#) [Tailwind CSS](#) [Dashboard](#)

Web 3 Lottery

A Web3 crypto lottery, based on the Polygon (MATIC), where you can log in with your MetaMask wallet, buy lottery tickets and push your luck to win. Every winner is also gifted a free NFT.

[Turborepo](#) [Typescript](#) [NextJs](#) [Tailwind CSS](#) [Solidity](#)
[Truffle](#) [ThirdWeb](#) [Pinata](#) [Firebase](#)

URL Shortener

A URL shortener app using express & mongodb for the backend and ReactJS for the frontend.

[Javascript](#) [ReactJS](#) [ExpressJS](#) [MongoDB](#)

React Covid-19 Tracker

A simple webpage tracker for covid-19 cases using the disease.sh API for the backend and ReactJS for the frontend.

[Javascript](#) [ReactJS](#) [Disease.sh API](#)

Portfolio Website

My personal Portfolio website, demonstrating my creativity and my projects.

[Javascript](#) [ReactJS](#) [p5JS](#) [EmailJS](#)

Aithra Spirits

Aithra Spirits official website.

[Javascript](#) [Vanilla JS](#)

Blockchain coin

A full fledged blockchain coin using Flask for backend and MongoDB for backend, ReactJS for frontend and Firebase for authentication, authorization and log in functionality.

[Javascript](#) [Python](#) [ReactJS](#) [Flask](#)
[MongoDB](#) [Firebase](#)

Netflix clone

A Netflix clone.

[Javascript](#) [ReactJS](#) [ReduxJS](#) [TMDB API](#)
[Firebase](#)

Facebook clone

A clone of Facebook Home page.

[Javascript](#) [ReactJS](#) [ReactJS Context API](#)
[Firebase](#)

Google clone

A Google clone.

[Javascript](#) [NextJS](#) [Tailwind CSS](#)
[Google Programmable Search Engine](#)

Slack clone

A Slack clone.

[Javascript](#) [ReactJS](#) [ReduxJS](#) [Material UI](#)
[Styled Components](#) [Firebase](#)

Hulu clone

A Hulu clone.

[Javascript](#) [NextJS](#) [Tailwind CSS](#)
[Hero Icons](#) [TMDB API](#)

Tinder clone

A Tinder clone.

[Javascript](#) [React Native](#) [TailwindCSS](#)
[Firebase](#)

Reddit clone

A Reddit clone.

[Typescript](#) [NextJs](#) [NextAuth](#)
[TailwindCSS](#) [Supabase](#)

Trello clone

A Trello clone using ReactJS, React Context API, React DnD, TailwindCSS, Material UI Icons & Styled Components for the frontend, Firebase for authorization, authentication and storing and Pexels API for the image data.

[Javascript](#) [ReactJS](#) [ReactJS Context API](#)
[React DnD](#) [TailwindCSS](#) [MaterialUI](#)
[Pexels API](#) [Firebase](#)