

# 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 3 Eurobank Agile teams working on:

- A new platform that aims to enhance the process of credit underwriting for corporate customers.
- A Visualiser UI based on elastic search data of credit underwriting rules used for auto approving credit underwriting.
- A new platform that aims to enhance the process of credit underwriting for retail customers.

### Lab member - Robotics Group (\*UoP)

**Robot automation & Image processing**

📅 June 2019 - July 2020

📍 Patras, Greece

- Working on Human-Robot collaboration solutions.

### Research Associate - LMS (\*UoP)

**Industry 4.0 & Cybersecurity**

📅 June 2018 - Feb 2019

📍 Patras, Greece

- Working in European project «Seamless and safe human-centred robotic applications for novel collaborative work-places».

### Medical Laboratory Technologist

**Private Employee of VAKTRO scientific**

📅 Sep 2014 - Oct 2015

📍 Patras, Greece

- Technical support for medical equipment such as Chemistry, Hematology, Immunology & ESR analyzers.

\*UoP: University of Patras

## 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 - Today

«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»

### Web3 Certificate

**Athens DAO - ConsenSys**

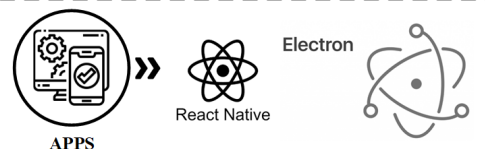
📅 Sep 2022 - Jan 2023

### Proficiency Certificate for English

**ECPE - Hellenic American Union**

📅 June 2016

## TECHNICAL SKILLS



# PROJECTS

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## 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](#)