

# APOSTOLOS ANASTASIOS KOUZOUKOS

Thessaloniki, Greece

+30 690 662 4408 ◊ kouzoukos97@gmail.com ◊ [github.com/kouzapo](https://github.com/kouzapo)

## EDUCATION

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**University of Macedonia**

*September 2016 - September 2020*

*BSc. in Applied Informatics*

*7.39/10*

- Thesis: Exploring Deep Learning Methods For Algorithmic Trading ([PDF](#))

## WORK EXPERIENCE

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**University of Macedonia**

*March 2021 - Present*

*Research Software Engineer*

*Thessaloniki, Greece*

- Participating in various research projects, mainly focused on ML/DL applications.
- Collaborating with fellow researchers in designing and implementing software solutions.
- Writing reports and documentation.

**FoodTec Solutions**

*March 2020 - March 2021*

*Java Developer*

*Thessaloniki, Greece*

- Working on large scale projects, mainly developing new server-side functionalities.
- Writing unit tests, manually testing new features and providing feedback.
- Reviewing code written by other developers.

## SKILLS

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**Programming Languages:** Java, Python, JavaScript, C, SQL, HTML/CSS

**Technologies:** Linux, Git, Gradle, Docker,  $\text{\LaTeX}$

**Frameworks & Libraries:** Spring Boot, FastAPI, React.js, scikit-learn, Keras, Apache Spark

## PERSONAL PROJECTS

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**AltroBot**

*September 2019 - June 2020*

- Algorithmic trading bot for the stock market.
- Utilizes ML/DL methods for predictions.
- Explores various trading strategies in order to maximize profitability.

**QFiPy**

*June 2018 - June 2019*

- Portfolio optimization library in Python based upon Modern Portfolio Theory.
- Utilizes numerical methods to optimize the performance of the portfolios given historical data.
- Fixed income pricing methods and time series models are also implemented.

## COMPETITIONS

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**Google Hash Code 2019**

*February 2019*

- 303735 points in qualification round (ranked 40 in Greece, 2977 worldwide).
- 355624 points in extended round (ranked 31 in Greece, 1720 worldwide).