




# Panagiotis Kostopanagiotis

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## Professional Experience

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- Bloomberg LP** **London, UK**
  - Software Engineering Intern, Financial Analytics,* *July 2020 – September 2020*
    - Quantum Computing for Option Valuation Description.
    - Worked on the Derivatives Pricing team on developing a framework for pricing European, Barrier and Asian options using Quantum Amplitude Estimation and integrating it to the Bloomberg terminal as a component of the Derivatives Library.
    - My project backbone consisted of implementing the ideas from: Option Pricing Using QC
    - Main technologies used: Python, C++, Qiskit, Numpy, Matplotlib, SciPy, Javascript, Typescript.
- Signedblock** **Athens, Greece**
  - Software Engineer* *August 2017 – January 2018*
    - Algorithmic trading on the cryptocurrency market.
    - Core member of the Algorithmic Trading team in charge of devising and deploying strategies for modelling and predicting trends on the cryptocurrency market.
    - Main technologies used: Python, Matlab, Numpy, Pandas, Scikit.Learn.

## Education

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- BSc/MSc Electrical and Computer Engineering** **Athens, Greece**
  - National Technical University of Athens* *2015-Present*
    - Combined BSc and MSc on ECE majoring in Computer Science
    - Advanced coursework on Algorithms, Complexity Theory, Programming Languages, Mathematical Foundations of CS, Probability and Stochastic Processes.
    - Teaching Assistant on: Algorithms and Complexity, Discrete Math, Introduction to Programming.
    - Expected GPA: 8.9/10

## Technical Skills

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- **Programming:** C, C++, Python, Java, ML, Haskell, Prolog, Javascript, Typescript
- **Libraries/Frameworks:** Numpy, Qiskit, Pandas, SciPy, Matplotlib, React.JS, Node.JS, Flask
- **Tools/Technologies:** Git, Github, MySQL, Vim, Bash/Unix Shell, LaTeX

## Honors and Awards

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- ACM/ICPC Southern Eastern Regional Contest** **Bucharest, Romania**
  - Represented my university on a team of 3. We ranked 19th out of 87 teams.* *2018*
- IEEEExtreme International Programming Competition** *2016, 2017, 2020*
  - Ranked 55th, 48th and 17th worldwide out of more than 4500 teams.*
- International Olympiad In Informatics, Balkan Olympiad in Informatics** *2013-2015*
  - Ranked 2nd and 3rd nationwide. Participated as a member of the national team.*
- Junior Balkan Olympiad in Informatics** **Skopje, Macedonia**
  - Ranked 4th nationwide and participated as a member of the Junior national team.* *2012*

## Publications

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- Reallocating Multiple Facilities on the Line** **Macao, China**
  - Published on the International Joint Conference on Artificial Intelligence(IJCAI 2019)* *2019*