

STEFAN CONSTANTIN-BULIGA

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EDUCATION

MCompSci in Computer Science, Oxford University, UK *Sept. 2018 - June 2022 (Expected)*

- **First class** distinction in Year 1, with **84.25** marks, placing **3rd** in the cohort.
- Completed advanced courses on topics such as Probability, Algorithms and Data Structures, Machine Learning, Functional Programming and Concurrent Programming.

Tudor Vianu National High School of Computer Science, Romania *Sept. 2014 - June 2018*

- Romanian Baccalaureate: Overall grade 9.78/10, placing in the top 0.01% of students nationwide, with 10 (perfect score) in Computer Science.

WORK EXPERIENCE AND PROJECTS

Jane Street Capital, Remote (Bucharest) Software Engineer Intern *July - Sept. 2020*

- Worked with the International ETF desk on refining an internal tool used by hundreds of traders.
- Reduced risk by creating a framework that enables users to write custom validators for their edits.
- Optimized repeating tasks and made the interface less error prone by introducing several widgets that allow users to quickly input constant values.

Romanian Masters of Informatics, Romania Scientific Committee member *Oct. 2018*

- Led a team of 10 people in creating and preparing the tasks for the biggest international computer science competition in Bucharest with 200+ delegates from 15+ countries.

CSAcademy, Romania Problem setter *Apr. 2018 - July 2018*

- Created valuable content for one of the top 5 competitive programming platforms in the world.

International Computer High School of Bucharest, Romania Coach *Sept. 2016 - Oct. 2018*

- Coached several top performing students in competitive programming, helping them prepare for prestigious international competitions.
- Consisted in teaching advanced algorithms, data structures, computational geometry, combinatorial mathematics, etc.

HONORS AND AWARDS

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| • 13th place - ICPC World Finals, Portugal | <i>Apr. 2019</i> |
| • Gold medal - Northwestern Europe Regional Contest (NWERC), Netherlands | <i>Nov. 2018</i> |
| • Gold medal (1st place) - Romanian Masters of Informatics, Romania | <i>Sept. 2018</i> |
| • Silver medal - International Olympiad in Informatics, Japan | <i>Sept. 2018</i> |
| • Silver medal - International Tournament in Informatics "John Atanasoff", Bulgaria | <i>Aug. 2018</i> |
| • Silver medal - Central European Olympiad in Informatics, Poland | <i>Aug. 2018</i> |
| • Gold medal (1st place) - International Olympiad in Informatics in Teams, Romania. | <i>June 2018</i> |
| • Gold medal (11th place) - International Olympiad in Informatics, Iran | <i>Aug. 2017</i> |
| • Silver medal (5th place) - Balkan Informatics Olympiad, Moldova | <i>Aug. 2017</i> |
| • Gold medal (1st place) - International Zhautykov Olympiad in Informatics, Kazakhstan | <i>Jan. 2017</i> |

EXTRACURRICULAR ACTIVITIES

IMC Quantitative Trading Workshop, UK Participant *Oct. 2020*

- Deepened my knowledge about financial markets and securities pricing by competing in a trading bot challenge on past market data.

SKILLS AND CERTIFICATES

Programming languages: C++, OCaml, Scala, Haskell, Javascript (intermediate); Java, Python (beginner)

Languages: Romanian (Native), English (Fluent), French (Limited working proficiency)

Certificates: CAE, ECDL
