GEORGE UNGUREANU - VRANCEANU

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EDUCATION

Imperial College London 2019 - 2023
MEng Computing *London, UK*

- Year 3 (77.6%, First Class): Built a decentralised finance app, based on lost Bitcoins
- Year 2 (79.5%, First Class): Built a simple OS with scheduling and user programs, a compiler for a simple programming language and a mobile app that helps pregnant women manage their pregnancy
- Year 1 (84.1%, First Class, *Dean's list*): Built an ARM11 emulator, assembler and debugger

National College "Gh. Vranceanu" 2015 - 2019
High School (Mathematics and Computer Science) *Bacau, Romania*

- 4-time contestant in the Romanian National Mathematical Olympiad (2016 - Honorable Mention, 12^{th} in the country)
- Overall: 100%

EXPERIENCE

IMC Financial Markets April 2022 - September 2022
Software Engineer Intern *Amsterdam, North Holland, Netherlands*

- Worked in the Data Engineering team, with technologies like Kafka and HDFS; built full stack visualisations to trace the flow of data through all systems in Kotlin and React.
- Technologies: Kotlin, Java, React, Typescript, HDFS, Kafka, Ktor

Imperial College London October 2021 - Present
Undergraduate Teaching Assistant *London, UK*

- Helped 9 first year students with modules related to Maths, such as *Graphs and Algorithms* and *Program Reasoning* in a weekly tutorial

NOTABLE PROJECTS

Lostcoin

- A hybrid between a cryptocurrency and an NFT, based on lost Bitcoins - when you lose your Bitcoin wallet, you claim "lostcoins" on our web platform - contact me if you are interested in how this works
- Technologies: Solidity, Python, Flask, Typescript, Next.js, React

FetoLife

- A mobile application, created as a 4-group, human-centered project, designed to help pregnant women connect with their doctors and midwife; they can chat with them, send weekly reports, and get notified when something might be wrong with their pregnancy
- Technologies: Flutter, Dart, Flask, Python, REST, PostgreSQL

Pseudocode Interpreter - Github

- A low-level interpreter for a pseudocode-like language, created for teaching basic programming in Romanian high schools, featured in the *official repository of Nom*
- Technologies: Rust, Nom

TECHNICAL STRENGTHS

Programming Languages	Java, Python, C, Rust, Haskell, JS, TypeScript, Kotlin, SQL, Solidity
Technologies	Experienced with Git, React, Electron.js, Flask, Node.js, GraphQL
Languages	English (Proficient), Romanian (Native), French (Basic)