

Bogdan-Andrei Băncuță

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 [Bogdan Bancuta](#) |  [Bogdan-Bancuta](#)

EXPERIENCE

• Amazon

June 2023 - September 2023

Software Developer Intern

Madrid, Spain

- Implemented changes to the books page of Amazon website on multiple platforms that simplified the view of the page, ensuring the key information was at the top and removing redundant information.
- Conducted analysis on several key metrics to ensure improved customer satisfaction and conversion rates.
- Increased code coverage through the use of unit and integration level tests.
- Familiarised and learned new and internal technologies.

• Scenwise

April 2023 - June 2023

Part-time Software Developer

Remote

- Engineered a new method to seamlessly show the movement of different vehicles in a smart mobility application.
- Improved performance in terms of both region span and number of vehicles to appear on map, with data coming from both historical and continuous sources.
- Increased code coverage through the use of unit and integration level tests.

EDUCATION

• Imperial College London

September 2024 - September 2025

MSc Advanced Computing

London, UK

• Delft University of Technology

August 2021 - June 2024

BSc Computer Science and Engineering

Delft, The Netherlands

- GPA: 8.44/10
- Bachelor Thesis: **Optimal Decision Trees for non-linear metrics (A convex hull approach)**
- Completed the **Competitive Programming Honours Track** in addition to the normal bachelor programme
- Completed the **Project Management** minor at the Civil Engineering faculty
- Teaching Assistant for **Algorithm Design** course

• International Computer Science High School Bucharest

September 2017 - June 2021

Computer Science

Bucharest, Romania

PROJECTS

• Continuous-Time Stochastic Lyapunov Stability - Research

September 2023 - December 2023

Tools: Python, SageMath

- Researched and experimented with options to automate the checking for the stability condition.
- Applied critical thinking skills to find ingenious methods to avoid certain complex mathematical operations that SageMath couldn't perform.

• Rowing Matching Application

2022

Tools: Java, Spring Boot, JPA Repository



- Developed the back-end of a microservice architecture application aimed at helping people practice rowing casually or competitively.
- Implemented the user microservice which handled storing and retrieving user information through the use of a database, as well as ensured communication with other microservices to allow authentication, enrolling in activities and receiving notifications.
- Ensured the full functionality of the application by creating unit, integration and automated system level tests.
- Worked alongside 5 other students, developing teamwork and leadership skills.

• Quizzz Game Application

2022

Tools: Java, JavaFx

- Developed a GUI educational multiplayer game aimed at raising awareness about energy consumption of daily activities.
- Implemented interactable front-end detailing the main menu and question screen, communicating with back-end for retrieving questions and maintaining players' scores.
- Worked alongside 2 other students, developing teamwork and leadership skills.

SKILLS

- **Programming Languages:** Java, C++, Python, SQL
- **DevOps & Version Control:** Git
- **Strong knowledge of algorithms, data structures and object-oriented design**

HONORS AND AWARDS

- **Benelux Algorithm Programming Contest** 2022, Eindhoven, The Netherlands
Participation
- **Delft Algorithm Programming Contest** 2021, Delft, The Netherlands
11th place
- **Cloudflight Coding contest** 2019, Bucharest, Romania
94th place globally
- **National Olympiad in Informatics** 2018, Constanta, Romania
Silver medal
- **National Olympiad in Informatics** 2014, 2015, 2017, 2020
Participation
- **National Phase of International Informatics Olympiad for Teams** 2020
Qualified but cancelled due to Covid-19 pandemic
- **Facebook Hacker Cup** 2020, Online
Top 1500
- **National Space Society Space Settlement Contest** 2018, Online
Participation

CERTIFICATIONS

- **Natural Language Processing Specialization** May 2024
- **Machine Learning Specialization** September 2022

ADDITIONAL INFORMATION

Languages: Romanian (Native), English (Full Professional)