

Carlos Brat

brat.carlos.alberto@gmail.com | +40754241219

EDUCATION

UNIVERSITY OF SOUTHAMPTON

MENG COMPUTER SCIENCE

2019-2023 | Southampton, UK

First Year CGPA: 80%

Second Year CGPA: 72%

ICHB

2015-2019 | Bucharest, Romania

Romanian Baccalaureate: 96.4%

LINKS

Github: *Carlos Brat*

LinkedIn: *Carlos Brat*

MODULES

UNDERGRADUATE

Software Engineering

Algorithmics

Programming

Distributed Systems & Networks

Intelligent Systems

Principles of Cyber Security

Data management

Programming Language Concepts

SKILLS & INTERESTS

PROGRAMMING

Experienced:

Java • Python • JavaScript • Java Swing

HTML • CSS • GIT • SQL • Bash • Haskell

Familiar:

C++

TOOLS & APPLICATIONS

Jira • Figma • Visual Paradigm

IntelliJIDEA • Visual Studio

OPERATING SYSTEMS

Windows • Linux • UNIX

LANGUAGES

Proficient English • Native Romanian

Beginner Japanese

INTERESTS

Mobile and Computer Games • Football

Stock market • E-business

CERTIFICATIONS

University of Michigan & Coursera

Python for Everybody

Introduction to HTML5

Introduction to CSS3

EXPERIENCE

ADMONITOR | JAVA, JAVA FX & JAVA SWING

Feb 2021 - May 2021

- Developed an application for analyzing and displaying in a user-friendly and clear dashboard data stored in CSV files, gathered from ad campaigns.
- Participated in a team of 6, collaborated closely with a client, and followed agile methodology.
- Designed a clean, modern GUI in Figma and programmed it using Java Swing and JavaFX.
- Assisted with the front-end and back-end integration and coordinated the team during the documentation process for each sprint.
- Handled stressful situations in the team and communicated with the client in crises.

DISTRIBUTED STORAGE SYSTEM | JAVA

April 2021 - May 2021

- Engineered a scalable distributed storage system that uses TCP connections for networking in Java and supports concurrent requests from clients.
- Ensured scalability by having clients get files from the specific data store and solved concurrency issues using locks and multi-threading.

MATHDOKU | JAVA & JAVA FX

April 2020

- Constructed a mathematical-based sudoku game using Java and JavaFX and implemented a user-friendly GUI with built-in animations and a solver to help the player.

CORONAVIRUS DATABASE | SQL

May 2020

- Computed an SQLite database to represent current Coronavirus data from an Open Data Source involving creating and normalizing a database to hold the data from a dataset and constructing queries against the data to perform simple analysis.

HOTEL REVIEWS DATASET | UNIX & BASH

Feb 2020

- Analysed multiple files with different hotel reviews and organised them by popularity according to the number of reviews each one received.

OTHER EXPERIENCE

INTERNSHIP EXPERIENCE UK: TECHNOLOGY

July 2021

- Participated in a 3-day experience where I successfully completed a coding work sample from Google and interacted and acquired industry-related skills through workshops with representatives from leading companies in Technology.

INFOMATRIX INTERNATIONAL COMPUTER PROJECT COMPETITION

JURY ASSISTANT | VOLUNTEER

February 2018

- Welcomed and registered participants while distributing welcome packages and provided support as a jury assistant by managing match results and organized a schedule of matches to fit the duration of the competition.