

RADU ECHIM

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Location: London, United Kingdom

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EDUCATION

MEng Computer Science

University College London

Sept 2019 – Jun 2023 London, United Kingdom

- Major: Computer Science
- Minor: Applied Mathematics in Finance, AI and Data Analysis
- Awards: Top 3 Y1 final projects. Designed food and medicine delivery system architecture and efficient matching algorithms using mathematical concepts.

EXPERIENCE

Software Engineer Intern

Tellence Technologies

September – December 2020 Bucharest, Romania & Remote

- Tellence Technologies is a Romanian-based, IT and outsourcing company. Assigned to the software development team for LiveU, providers of 5G live streaming capabilities for CNN and FoxNews.
- Vuejs front-end developer. Worked in a SCRUM environment on implementing license activation features for user devices, map visualization of units and API interaction.
- Helped port existing features to comply with Chinese regulations, users can now license individual units at a time.
- Created new API endpoints for the unit-simulator using Java and Spring in order facilitate testing between servers and web application.
- Technologies: Vuejs, MySQL, Javascript, Java, Websockets, REST API.

Programming Tutor

University College London

Since September 2020 Remote: London, UK

- Helping 1st year Computer Science students with programming concepts and practices in C, Haskell, Java and Python.
- Organizing weekly 2-hour sessions in which I help tutees with their homework and answer questions.
- Tutees started tackling more advanced programming problems and have a better understanding of debugging techniques.

Python Development

White Image

June 2020 Bucharest, Romania

- Created and packaged for production a web scraper application in Python that collects advertised products and marketing data from websites.
- Improved employee efficiency by automating the manual collection of data and database insertion.
- Technologies: Python, Selenium, BeautifulSoup, Numpy, Matplotlib.

SKILLS

Programming:



PROJECTS

IBM FISE Lounge

October 2020 – March 2021

- IBM FISE Lounge is an application that acts as a smart, privacy-safe, and interactive video-calling platform for the elderly and others to use in the current pandemic.
- The application is a part of the integrated IBM FISE Ecosystem, developed under the guidance of our client, IBM Master Inventor, Dr. John McNamara.
- SCRUM development using Azure DevOps Services.
- Technologies: React.js, Next.js, Node.js, Javascript, MongoDB, IBM Watson API, JitsiAPI, Docker.

Reddit Clone with Simplified API

November 2020

- Reddit Simplified is an application that allows users to check on their favorite subreddits. It provides a simple interface from where anyone can see the top posts of a subreddit on a given timeframe.
- Server provides a public REST API that can retrieve data from the Reddit API, filtering the complex, unnecessary data that Reddit provides.
- Technologies: Vue.js, Node.js, Express, Javascript.

Linux Terminal Clone

October – December 2020

- Terminal program written in Java that provides most utility programs and functionalities of the Linux terminal: grep, cat, sort, piping, globbing, etc. Application is dockerized, can run in a contained environment that facilitates deployment.
- Developed in a test-driven approach. 98 % coverage in unit tests using JUnit, automated testing using PyTest.
- Technologies: Java, JUnit, PyTest, ANTLR (Parsing), Docker.

ACTIVITIES

London Student Bootcamp

📅 February 2020 📍 London, United Kingdom

- Worked in a team with 3 colleagues to promote our business idea of dismantling the counterfeit market with blockchain technologies.
- Prepared business idea for presentation to potential investors.

FIRST Tech Challenge

📅 March 2019 📍 Bucharest, Romania

- Robotics programming competition for high-school students.
- Java programming for robotics hardware. Used image recognition libraries to determine patterns in photos.
- User interface design and reliability testing.

Annual International Space Settlement Design Competition

📅 July 2018 📍 Kennedy Space Center, USA

- 2nd place.
- Worked within a team of 64 members with the structure of a small company. Managed to complete project within 3-days of coordinated work.
- Practiced and improved fast research techniques on new, on-the-spot topics to meet tight deadlines.

CERTIFICATION

Baccalaureate Diploma

[Mathematics](#) | [Physics](#) | [Literature](#)

Grade: 9.9 / 10

Java Programming I

[Cisco Academy, ICT Foundation](#)

- Knowledge of OOP design, UML design, interface programming, Java Servlets, GUIs in Java.

Financial Markets Course

[Coursera, by Yale University](#)

- Introduction to the concepts of risk management, behavioral finance, securities and financial analysis.

LANGUAGES

English

Cambridge English: Advanced (CAE), C1



German

Deutsche Sprach Diplom 2019, B2 Level

