

Andrei Bratu

EXPERIENCE

Oct 2018 - Present - [Hai la Olimpiada!](#) - Teacher (Cluj-Napoca)

- Present advanced algorithms and data structures to high school students interested in the National Olympiad of Informatics

Nov 2018 - Dec 2018 - [Wellcode](#) - Fullstack Engineer (Cluj-Napoca)

- Pro bono contributor to a Romanian [CS learning platform](#)
- Wrote validation mechanism for signup form and frontend tests in Puppeteer

Jul 2018 - Sep 2018 - [ComplyAdvantage](#) - Software Engineering Intern (Cluj-Napoca)

- Built internal tool for labelling ML training data, identical in scope to Amazon MTurk
- Application featured a flexible template builder that allowed admins to write HTML and Javascript code and render database data into template. Tasks could be selectively assigned to Data Engineering team
- **Exposed to:** Flask, Mongo, Swagger, PostgreSQL, Docker

Aug 2017 - Sep 2017 - [Rockstars Development](#) - Software Engineering Intern (Cluj-Napoca)

- Built web application that allowed real time inventory management for a business that operated country-wide
- Designed NoSQL database architecture and implemented async database calls and user authentication
- **Exposed to:** Angular 2, Promises, Async, NoSQL

PROJECTS

- **2019 -**
- **2016 - 2017** Participated in National Phase of the Romanian Informatics Olympiad
- **2016** Won [regional contest](#) for teams with an [Arduino door lock](#) that could be controlled from a smartphone

SKILLS

- **Experienced in data structures and algorithms**
- **Technologies:** Git, Docker, C/C++, Python, JS, Ruby on Rails, PostgreSQL, Flask, Django, Node.js, Perl, Machine Learning ([Coursera Certificate](#)), Octave, Pandas, NumPy, Angular, jQuery, Google Firebase, Puppeteer
- **Knowledge on** OOP, REST and Design Patterns
- **Github:** <https://github.com/andreibratu>

EDUCATION

Oct 2018 - Jun 2021 - [Babes-Bolyai University](#) - Bachelor's degree (Cluj-Napoca)

- Faculty of Mathematics and Computer Science, Computer Science programme in English