Rata Andrei

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Employment History

Oct 2020 - University POLITEHNICA, Bucharest
Present   *Teaching Assistant*
- Teaching students Protocols of Communication.

Technologies: C, Python

Jul 2021 - eSolutions, Bucharest
Present   *Software Developer*
- Mentoring interns on React.js.
- Developing features and pages for the GoPro Website.
- Coordinator for the juniors on developing new infrastructure for Replicator (Framework for generating web applications).

Technologies: React.js, React Redux, RxJS, Jest, Spring REST, Docker, Docker-compose.

Dec 2019 - eSolutions, Bucharest
Jul 2021   *Junior Software Developer*
- Working on Replicator(Generic Web App engine), developing generic React components(Tables, Pages, Forms etc), which consumes auto generated APIs.
- Building a Car Management platform using Replicator, with a custom notification system.
- Developing crawlers and new features in an infrastructure that collects infromations about products of differents supplyers.

Technologies: React.js, Spring REST, Spring Boot, PostgreSQL, Hibernate, Docker, Docker-compose.

Jun 2019 - Zalmotek, Bucharest
Aug 2019   *Software Developer Intern*
- TwitterBot - system for Earthquacke prevention - developed on an ESP32, using MicroPython

Technologies: Python, C++, MicroPython

Jul 2018 - Rohde & Schwarz Topex, Bucharest
Aug 2018   *Software Developer Intern*
- Learning low level Server/Client development
- Managing file system using low level programming

Technologies: C sockets TCP/UDP, Bash

Education

2013-2017 - HighSchool
HighSchool "Stefan cel Mare" of Suceava, Romania

2017-2021 - Bachelor Degree in Computer Science
University "POLITEHNICA" of Bucharest, Romania

Software Engineering Skills

- **Experienced**
  Java 11, Spring Boot, Spring REST, React.js
  React Hooks, PostgreSQL, HTML/CSS, docker
  docker-compose, C

- **Intermidiate**
  Kubernetes, Jest, ESLint, C++, React Redux, RxJS
  Python

Projects

- **1st Place NASA SpaceApp Challenge**
  App that tells the air quality everywhere on the Earth and has a system of challenges that encourage our users to stop polluting the air

- **Task management**
  Task management platform using informations from Bitbucket and Jira designed for eSolutions Hackaton 2020

- **Bachelor Thesis**
  An optimization for the text classification alghorithm
  Latent Dirichlet Allocation