Rusu Cosmin-Ionuț

Experience

Jul 2018 - Sept 2018 **Google** - Software Engineer Intern (Mountain View, CA)
- Intern in Google Ads team. Developed a daily training and prediction pipeline for a machine learning model. Worked closely with the data science and development team to integrate the R model in C++.

Feb 2018 - May 2018 **OneStep Software** - Full Stack Engineer
- Worked as a full stack engineer for a sober-living SaaS platform. Technologies: Ruby on Rails, React, React Native

Noi 2017 - July 2018 **Kuende** - Full Stack Engineer
- Working on microservices for interacting with Google Cloud Storage and Google Cloud PubSub.
- Exposed to: Scala, Go, Kubernetes, GKC, gRPC, Protocol Buffers

Jul 2017 - Oct 2017 **Google** - Software Engineer Intern (Mountain View, CA)
- Intern in the Google Photos team. The project involved extending the selection framework for auto created movies based on user content and implementing three new concept movies.
- Exposed to: Java 8, Protocol Buffers

Noi 2016 - Jul 2017 **Kuende** - Mobile Developer
- Took part in the team that develops the Kuende mobile application
- Implemented a Trie based algorithm for searching people, a wrapper around a listview so you can easily declare, add filters and comparators to lists, and other small features.
- Exposed to: React Native, Javascript, C++, Qt, Qml, Flux, Android, iOS

Jul 2016 - Oct 2016 **Amazon** - Software Engineer Intern
- Amazon Development Center Iasi - Robot Detection Research team
- The project involved creating a linkage and score system for robotic attributes. The main challenge was the huge amount of nodes and data that had to be processed every day.
- Exposed to: Hadoop, MapReduce, Machine Learning, JavaScript, NodeJs

Oct 2015 - Jul 2018 **eMAG - Hai la Olimpiada! & LearnHouse** - Teacher
- Presented advanced algorithms and data structures to students interested in the National Olympiad in Informatics
- Some of them got into the national phase, and some of them secured medals and awards
- Took part in a non-profit organization to help high-school students perform better at Olympiads: https://learnhouse.ro/

Jan 2015 - May 2017 **MindCoding** - Scientific Committee Member
- MindCoding is an international programming contest which aims to form a strong community of passionate people
- The website www.mindcoding.ro is a great platform where you can practice your coding skills
- I have prepared problems, tests and solutions for several rounds, including the final one

June 2013 - Dec 2013 **e-communio** - Android Developer
- Built the e-communio app based on the already built local Church news website
- Understood the main concepts of Android OS and the process of publishing an app

Education

Sept 2018 - July 2020 **EPFL | École polytechnique fédérale de Lausanne** - Master in Data Science Oct 2015 - July 2018 **Babes-Bolyai University** - Bachelor's degree
- Faculty of Mathematics and Computer Science, Computer Science programme in English

Sept 2011 - June 2015 **"Petru Rares"** High School, Beclean, Romania
- Baccalaureate: Informatics 9.80/10, Mathematics 9.95/10, Romanian Language: 10/10
- Specialized in Informatics, Mathematics and English Language – Overall grade: 9.95

Skills

- Strong background in data structures and algorithms

- Technologies: C/C++, Python, Java, JavaScript, Scala, GoLang, PHP, C#, SQL, Ruby on Rails, R, TensorFlow, Hadoop, NodeJs, Machine Learning, Prolog, Lisp, MPI, Octave, PostgreSQL, Spark, Pandas, Keras, D3.js, GraphQL, Elixir, Phoenix
- Strong knowledge of Design Patterns, OOP, Big Data Processing, REST, CI, CD, design of APIs, web services
- GitHub account: https://github.com/rusucosmin

Awards

- ACM SEERC 2016 - Bucharest, Romania - 19th place out of 91 international teams
- DEIK Regional Programming Contest in Debrecen, Hungary 2017 - 1st place, 2016 - 2nd place
- National Olympiad in Informatics Pitesti 2014 - 9th Place, Silver medal
- National Olympiad in Informatics Targoviste 2015 -11th Place, Silver medal