

# STEFAN GIBA

SOFTWARE ENGINEER

## PROFILE

Highly motivated and hard working individual, looking forward to developing a career in software engineering .

## SKILLS

### Programming Languages

Java, C++, Python, JavaScript, HTML5/CSS

### Technologies

ReactJS, Angular, NodeJS, Django, Django REST Framework, Tensorflow

### Other Technical Skills

SQL, Data Structures, Algorithms, Data Processing and Analysis, Optimizing Code

### Soft Skills

Problem Solving, Collaboration, Continuous drive to improve

## EDUCATIONAL TRAINING

**Polytechnic University of Bucharest**  
Bachelor of Science

Faculty of Automatic Control and computer science

- GPA so far : 8.60 (out of 10)

## CERTIFICATES

- The Complete Web Developer in 2020: Zero to Mastery

## HOW TO REACH ME

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Website: [stefan-giba.netlify.app](https://stefan-giba.netlify.app)

## PROFESSIONAL EXPERIENCE

### Software Engineering Intern

Keysight Technologies | 07/2020 to 09/2020

- Worked on a project called Encrypted Traffic Analyzer which implied using the entropy of the traffic flows to predict if the traffic came from a video-based application (eg. Netflix/Youtube) or text-based application(eg. Amazon/Messenger) and achieved a 60% accuracy
- Built neural networks using Tensorflow and Keras (Autoencoder, Classifier) and optimized their parameters to best suit our purpose
- Captured and filtered internet traffic using Wireshark
- Processed .pcap files from Wireshark using the Rust Programming Language

### Web Development Intern

Pentalog | 07/2019 to 10/2019

- Used the Django Framework as well as Django REST Framework to build a blog website and an online shopping website.
- Learned about the concepts of the Python programming language

## PROJECTS

### Music Generator

- A Deep Learning application that takes ABC-notation piano songs as input and learns to generate original music.

### Robofriends

- simple ReactJS app that allows users to search through a collection of Robots by their names
- uses Redux for state management

### Face Detection

- ReactJS application that takes in the URL of an image containing a person, detects the person's face and frames it into a box
- it has built in sign in and register functions
- hosted on Heroku

### Face Detection API

- RESTful API for Face Detection app built with Node js that also has a PostgreSQL database
- hosted on Heroku

# WORKSHOPS & HACKATHONS

## **DevHacks 2019 Hackathon**

- Alongside my team, we developed a mobile banking application in which you could add your cards, see your transactions and details about them and categorized transactions to see how you spent your money each month.

## **NASA SpaceApps Challenge**

- Participated in a hackathon organized by NASA and tried to come up with a solution for collecting the plastic in the oceans.

Summer Events at **UiPath** (2019) and **NTT Data** (2019) where I had the opportunity to interact with their employees and understand more about the culture of these two companies

## **Image Classifier**

- This is a project built using Tensorflow. I made an image classifier which is able to recognize clothing pieces from pictures.
- Project made for the Optimisation Techniques subject I had in university.

## **Text Based Browser**

- Simple text based browser
- experimented with Python requests library

## **Meeting Planer**

- I created a meeting planner in Java. This little app let's you create meetings, addressing the problem of conflicting meeting dates and hours in one's schedule.
- It has CLI interaction only

## **SimpleApp**

- This is a Xamarin application me and a couple friends developed at the DevHacks Hackathon in Bucharest in the autumn of 2019.
- It is a simple banking application in which you can add cards, and see your transactions, categorize them and see how exactly you spend your money.