

# MARIUS GARBEA

3400 Lancaster Ave, Philadelphia PA

(+1)215-802-3336 ♦ mariusgarbea@ymail.com ♦ mariusgarbea.github.io

## EDUCATION

---

### Drexel University

September 2017 - June 2022 (expected)

*BS Computer Science and BS Mathematics*

GPA: 3.98/4

Teaching assistant for CS265 - Advanced Programming Techniques: Linux

Co-founder and executive board member of Drexel Blockchain (first blockchain club at Drexel)

## TECHNICAL SKILLS

---

### Computer Languages

Java, Python, Javascript, C, C++, Bash, SQL, Go

### Software & Tools

NodeJS, ReactJS, AngularJS, MongoDB, Spring, Hibernate, Git, L<sup>A</sup>T<sub>E</sub>X

## EXPERIENCE

---

### ActivFix

December 2017 - October 2018

*Software Engineer*

Bucharest, Romania

- Refactored the codebase from a monolith to microservices using Spring Boot, reducing deployment time by 30% and development start-up time by 70%
- Developed an admin module and a payment module, speeding up the launch process by several months
- Configured and managed the infrastructure of the app using an Ubuntu cloud server and Nginx proxy server, and wrote various automation scripts, reducing admin's manual work by 20%

### GovITHub

October 2016 - February 2017

*Software Engineer*

Bucharest, Romania

- Developed the front-end of a news distribution web application in ReactJS and its state tree in Redux
- Restructured ReactJS components to use static typing using Flow, increasing coverage from 30% to 100%
- Wrote black-box unit tests for front-end components and user interactions in Jest, reducing debugging time

## PROJECTS

---

### Teens' Bucharest App

Mobile version of a local news web app

- Customized a video content playing library to achieve better performance for audio only content and increased the app's podcast player's responsiveness by 300%
- Built three modules that facilitated full interaction with business content (text, social events, audio media)
- Used technologies such as React Native, Redux for state management and Reselect for selector caching

### SpeedPlan

Event flyer scanning mobile app

- Implemented a data parsing algorithm and a grayscale filter, improving text recognition by 10%
- Designed the underlying architecture and structure of the app following MVC and DAO design patterns
- Used specific libraries for camera, file system and external apps interaction and integrated Tesseract OCR

## HONORS, AWARDS & CERTIFICATIONS

---

- Drexel University Pennoni Honors College (top 10%)
- Drexel University Founders Scholarship (60% of tuition covered)
- DevHacks 2016 Hackathon, sponsored by Microsoft, Teamnet, SoftVision - 2nd/ 52 teams
- JSHacks 2016 Hackathon, sponsored by Endava and VisionMobile - 1st/ 13 teams
- Cisco Networking Academy IT Essentials Certification