

# Vanja Paunovic

## Software Engineer

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## Work History

### Teaching Assistant

October 2018 - Present

#### Union University, Faculty of Computing

- Engaged in Introduction to Programming course
- Teaching college students fundamentals of C programming language

### Software Engineer

September 2018 - August, 2019

#### Flock Social

- Wrote web crawlers that repeatedly extract data from web pages, parse it as JSON objects which boosted data quality and provided valuable data analytics
- Created data visualizations and dashboards in Kibana using data from Twilio API in order to analyze promotional and customer service SMS delivery and performance which led to an increase in website traffic and user conversions
- Conducted code peer reviews with other members of my team

### Data Analyst Consultant

August 2018 - February, 2019

#### Telekom Serbia

- Created machine learning jobs to automate anomaly detection
- Designed and developed pipelines to analyze a large amount of telecommunications data and logs using Logstash and Filebeat

### Full Stack Engineer

July 2017 - September 2017

#### Startup

- Developed responsive MEAN stack web applications
- Provided one-on-one mentoring to assist less experienced colleagues in developing coding skills
- Facilitated data upload 30% by creating administrator content management system

### Frontend Developer Intern

July 2016 - September 2016

#### Devana Technologies

- Worked in a small and efficient team as the youngest team member
- Created slider and roadmap for business notification application

## Education

### Bachelor in Computer Science

2016 - Present

#### Union University, Faculty of Computing

### High School Diploma

2012 - 2016

#### XIV Belgrade High School

## Projects

**Portfolio website** - Personal website made from scratch. It represents my previous experience as a software engineer and a hackathon team member.

**InfViewer** - Lead a team of four software developers. Ensured team members stayed on task. Assigned coding tasks to team members.

**GeKoSeM** - Ensured the programming team developed a high-quality working application. Made key decisions for process implementation. Directed team meetings to check on progress and plan code direction.

## Languages

English - Professional working proficiency

Serbian - Native or bilingual proficiency

German - Elementary proficiency (Deutsches Sprachdiplom der Kultusministerkonferenz - A2)

## Honors And Awards

### IBM Datathon, September 2019 (3rd place)

Our solution was Risk Assessment Prediction Tool of the Nelt's supplier transactions.

### Code AI, May 2019 (2nd place)

The solution was an automated monitoring of crops using drones. We maximize yields and reduce costs with drone data using the CNN model to detect plant disease.

### FON Hackathon, March 2019 (2nd place)

Our solution was a chatbot that provides users with information on the distribution of airborne allergens with the help of an interactive map. The system uses ML to predict the concentration of allergens in the air based on wind direction and air humidity.

### NASA Space Apps Challenge, October 2018 (3rd place)

Implemented a tool which creates a unique piece of art using NASA Earth imagery data and Google Deep Dream.

### CodeGovernment, May 2018 (3rd place)

Developed a web app with simple UX design and smart search engine which simplifies usage of eGovernment portal.

### MathHack, May 2018 (finalist)

Made a web app that generates an optimal trajectory from starting to ending point on the map using machine learning algorithms.

### FON Hackathon, April 2018 (1st place)

The solution was a distributed cloud-based analysis system with interactive data visualization. The system contains a tool for personalized package recommendation, as well as a tool for detecting irregularities in the network in real time.

## Skills

### Frontend Development

VueJS, HTML5, CSS3, JavaScript, jQuery

### Backend development

NodeJS, ExpressJS, Golang

### Data Structures

Java, C/C++

### Data Science

Python, ELK Stack, Machine Learning

### Databases

MongoDB, Redis, MySQL, Postgres