

# 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](#)

- Build dashboards for content upload
- Write web crawlers and scrapers
- Manage user analytics in Kibana which led to better website visits and user conversions

Data Analyst Consultant August 2018 - February, 2019

[Telekom Serbia](#)

- Create machine learning jobs to automate anomaly detection
- Design and develop pipelines to analyze a large amount of telecommunications data and logs using ELK stack
- Create visualizations and dashboards in Kibana

Full Stack Engineer July 2017 - September 2017

Startup

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

Frontend Developer Internship July 2016 - September 2016

[Devana Technologies](#)

- Work in a small and efficient team
- Create 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 Gymnasium](#)

## Projects

**Dzimiks Analytics** - Integrated APIs from social networks to collect all important data.

**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

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

The solution was the automatic 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 assume the concentration of allergens in the air based on wind direction and air humidity.

**SICEF Hackathon, November 2018 (finalist)**

Created native mobile app which recognizes pain severity using face detection of demented people.

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

**MathHack, May 2018 (finalist)**

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

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

The solution was 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