

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

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.

SICEF Hackathon, November 2018 (finalist)

Created a 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 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