Petar Mircheski

PERSONAL DETAILS

Birth	08, April 1998
Address	Trifun HadziJanev 5/21, Skopje Republic of North Macedonia
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gitlab	https://gitlab.com/petar.mirceski1998

EDUCATION

BSc. Computer System Engineering Automation and Robotics

Faculty of Electrical Engineering and Information Technologies, Ss Cyril and Methodius University

`2016-2021`

Bachelors thesis in the area of non-linear system. The title of the bachelors thesis is Non-linear analysis of neural interactions. The goal of the research is modeling neural coupling functions with the use of Bayesian inference when subjects are under visual stimulus.

Current GPA:9.08

Msc. Department of Systems and Control Engineering

Tokyo Institute of Technology Japan

`2022-`

Currently enrolled.

WORK EXPERIENCE AND INTERNSHIPS

Image processing and data science researcher

Eriden LLC., Full-time

`2020 February-2021 August`

Worked on developing an AI driven solution for analysis of floor plans in raster format used in construction and real estate. Worked on developing post processing algorithms for floor plan reconstruction and worked on 3D visualization of floor plans. Main areas of work include digital image processing, machine learning, data scraping and analytical geometry.

Image processing and data science consultant

Eriden LLC., Internship

`2019 June-2019 October`

Mandatory one month university internship which on my request was extended to four months. Worked on researching and developing an AI driven solution for the clothing industry. Worked on a project for Forever 21 developing a robust system for style transfer of clothing found in

the stores catalog on a persons clothing. Algorithms used in the project were Mask-RCNN for instance segmentation and detection of clothing in the catalog and its extraction.

Data Base Support
National Bank of Republic of Macedonia., Internship
2018 July-2018 August
Mandatory one month university internship. Worked with SQL relational databases. Worked on developing SQL queries that were used in customer support.

Lab Assistant
Faculty of Electrical Engineering and Information Technologies, Ss Cyril and Methodius University., Part-time
2018 January-2018 June
Worked with students in the computer science lab. Demonstrated the principles of object-oriented programming in the programming language C++. Held three weekly lab classes.

SKILLS

Languages	Macedonian (mother tongue)
	English (fluent)
	Serbian (conversational)
Software	PYTHON, MATLAB, LATEX, C++, JAVASCRIPT, OCTAVE, TYPESCRIPT, EMACS, BASH SCRIPT AND UNIX, LABVIEW, SQLLITE, POSTGRESQL, LADDER LOGIC PROGRAMMING, REACT, NEXTJS, REDUX, STRAPI-CMS, DOCKER, PYTORCH, SCIKIT-LEARN, GIT
Certifications and Awards	Certified LabVIEW Associate Developer
	Took place in numerous Kaggle competitions.
	Second place in Robomac 2019
	robotics competition (AI football category)

REFERENCES

Available upon request