Stefan Pejcinoski

College Student

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SKILLS

Personal skills:

● **Linguistics** - *fluent in English , speaking and writing*

● **Mother tongue(s)** - *Macedonian*

● **Teamwork** - *have worked with various teams during competitions and college projects*

Job related skills:

● **Programming languages** - *C/C++ , Python , Matlab, VHDL*

● **Development boards** - *Arduino , STM32 , Raspberry Pi*

● **Software** - *NI Multisim , Eagle CAD, Visual Studio* 2017, Eclipse, Visual Studio Code

● **Computer skills** - *Microsoft Office Word , Excel and PowerPoint*

EDUCATION

SEPTEMBER 2015 - PRESENT

Faculty of Electrical Engineering and Information Technologies, Skopje - Computer hardware engineering and electronics , 4th year student

SEPTEMBER 2011- JUNE 2015

SUGS Rade Jovcevski Korcagin , Skopje

PROJECTS

- **College curriculum projects:**

    o *741 op-amp replica using discrete components*
    o *A 2 instruction , 8 bit CPU in VHDL*

- o *UNET image segmentation to detect desired surfaces in image using Python and Keras*
- o *Part of a team organizing and leading the summer school VMS2018 at Faculty of Electrical Engineering and Information Technologies*
- o *Implementation of 2D metric robotic mapping for embedded systems - Graduation work, in progress*

● **Competition projects:**

- o *Constructing and solving a maze from colored objects in camera image with a predefined set of colors and then guiding a Bluetooth controlled robot through it whilst tracking it with a camera, using Python and OpenCV*
- o *Calculating dimensions of detected colored object with a specified color in a series of images taken from an IP camera , using Python and OpenCV on Raspberry Pi 2*

● **Personal projects:**

- o *A fully contained DNS ad blocker device , using Raspberry Pi Zero , Pi-hole and a custom built power supply board*
- o *Face detection with a Raspberry pi 3 and a webcam ,using Python and OpenCV*
- o *MIDI keyboard using Arduino UNO*