

Stefan Popovski

Skopje, Macedonia | US: +1(240)-825-8267 MKD: +389-70-254-809 | popovski@terpmail.umd.edu

EDUCATION

University of Maryland, College Park

Bachelor of Science

International Student, Major in **Mechanical Engineering**; Minor in **Nuclear Engineering**

Cumulative GPA: 3.75/4.0

College Park, MD

Expected May 2027

Honors & Awards

A. James Clark School of Engineering Dean's List – Fall 2023, Spring 2024, Fall 2024

Relevant Coursework

Calculus I, II & III, MATH246 (Differential Eq. for Scientists & Engineers), Physics I, II & III, ENES102 (Mechanics I), ENES220 (Dynamics), ENES232 (Thermodynamics), ENME202 (Programming Fundamentals for Engineers), ENME272 (Introduction to CAD Design), ENME382 (Introduction to Materials Engineering)

WORK EXPERIENCE

POLYESTERDAY (leading printing & marketing company in Macedonia)

Skopje, Macedonia

Practicing Intern

Jun 2021 – Aug 2021

- Assisting with research of the CRM (Customer Relationship Management) modules of the ERP (Enterprise Resource Planning)
- Analyzing and constructing detailed descriptions of the products listed on the online order program (www.print.mk)
- Online customer support for secondary-level customers of the online order program.
- Pre-press and elementary photo-editing.

FAKOM A.D. (leading steel structures, pressure vessels manufacturer in Macedonia)

Skopje, Macedonia

Practicing Intern

May 2022 – Aug 2022

- Assisting the senior team in consulting services by preparing comprehensive data for detailed construction drawings of various steel structures and industrial processing equipment.
- Providing support employees investigating data for energy efficiency through optimized design, and application-focused solutions.

UNIVERSITY PROJECTS

TEAM PROJECT: OVER-TERRAIN VEHICLE – FIRE SUPPRESSION

Feb 2024 – May 2024

- Designed and assembled an autonomous OTV alongside 5 teammates, tasked to navigate itself through obstacles and extinguish a flame using the Vision System.
- Experience using Fusion 360, Kinetics/Kinematics, and teamwork to successfully construct the OTV.

Team Project: Mechanics Truss Design

Nov 2024 – Dec 2024

- Designed and analyzed a Truss using oak and pine at the UMD woodshop.
- Won first place out of 15-some teams, resisting a load of 900N on our first test-run.
- Team building, Organization, Truss analysis.

ACTIVITIES

HIGH TEMPERATURE HEAT FLUX SENSOR

College Park, MD

Undergraduate Research Assistant

Feb 2025 – Present

- Research assistant alongside Dr., Oded Rabin and his post-graduate researcher Mr., Kenneth McAfee, M.S, implementing thermoelectric & Seebeck effect for developing a high temperature sensor at UMD's IREAP laboratory.
- Response-time testing and calibration.

INNOVATION BOWL: WASTE ENERGY HARVESTING

College Park, MD

Undergraduate Research Assistant

Feb 2025 – Present

- Research assistant alongside Dr., Oded Rabin and his post-graduate researcher, implementing thermoelectric & Seebeck effect for developing an excess heat capturing device at UMD's IREAP laboratory.
- Experience with microscopic electronics work.

ADDITIONAL

Technical Skills: SOLIDWORKS, Autodesk Inventor, Autodesk Fusion 360, MATLAB, C++, Python, Microsoft Office, Adobe Photoshop, Adobe Lightroom

Languages: Fluent in Macedonian & English. Elementary Proficiency in German & Serbian