

# Vladimir Marinov

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## SUMMARY

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## WORK EXPERIENCE

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**RF and Microwave Engineer - EECL** October 2024 - Present  
– Hello

**Part Time Hardware Engineer - EnduroSat** October 2023 - April 2024  
– Developed mission-critical satellite hardware in Altium (schematic and layout) with a focus on very high density PCB designs.

**Teaching Assistant - Imperial College London** July 2022 - April 2024  
– Provided teaching support for the *Instrumentation* module, focusing on hardware design for precision analog measurements, and analog and high-frequency metrology and calibration.  
– Worked on implementing a fully-functional 32-bit RISC-V processor in SystemVerilog, which is now used for teaching in the Instruction Architectures course. Provided teaching support for the course.

**Full Time Hardware Engineer - EnduroSat** April 2023 - October 2023  
– Developed satellite hardware in Altium (schematic and layout) including antennas and RF hardware, precision protected power supplies and other custom mission-specific devices.  
– Developed internal company guidelines on EMI/EMC and grounding practices for flight hardware.  
– Worked on reliability analysis of hardware including Failure Mode and Effect Analysis (FMEA), Fault Detection, Isolation and Recovery (FDIR), and reliability simulations in Ansys Sherlock.

**Part Time RF Engineer - EnduroSat** July 2019 - March 2020  
– Worked on software and hardware realizations of Software-Defined-Radio (SDR) Ground Stations for satellite communications.

## EDUCATION

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2030 - present	PhD (Subject) at <b>University</b>	(GPA: 4.0/4.0)
2023 - 2027	Bachelor's Degree at <b>College</b>	(GPA: 4.0/4.0)
2022	Class 12th Some Board	(Grades)
2021	Class 10th Some Board	(Grades)

## PUBLICATIONS

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Last Name, First Name and First Name Other Last Name (Sept. 2019). “Paper: This is the name of the paper”. In: *Some Journal* 99.18, pp. 2200–2300. URL: <https://some-link.com>.

Last Name, First Name and First Name Again Last Name (Sept. 2022). “Paper II: This is another paper”. In: *Some Journal* 99.18, pp. 2200–2300. URL: <https://some-other-link.com>.

## PROJECTS

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### **Avionics Team Lead - Karman Space Program, London**

October 2021 - July 2023

- Led the avionics team of university student rocketry project, and developed custom flight computer hardware, RF telemetry hardware, and power supplies. Initiated and later support embedded software development (in C) for custom hardware. Led integration of hardware for test rocket launches and high-altitude balloon tests.

## SKILLS

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Some Skills            This, That, Some of this and that etc.

Some More Skills    Also some more of this, Some more that, And some of this and that etc.