



Summer Student Internship Programme

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About Me

- 1st year Master's student at UPB
- CERN Summer Student Intern in 2023
- CERN User since October 2023
- Bachelor's and Master's project in collaboration with CERN



About the Summer Student Programme

- Paid technical internship at CERN (<https://careers.cern/summer>)
 - Duration: 8-13 weeks, based on preference
 - **Inside:** *choosing a longer period increases selection chances*
- Eligibility: 3rd year undergraduates and above (including master's students)
- Involves working on a technical project
 - With the help of a mentor
 - For CS students: software development, infrastructure, simulations, data processing
 - Projects land in production
- Access to lectures organized by CERN about physics, engineering and computing
- Visits at the experiments



My Summer Student Project

- Worked in the Storage Group of the IT department
- Contributed to EOS:
 - Low-latency distributed disk storage system developed at CERN
 - Deployed as storage service at CERN and across the Grid
- Developed a new REST API Gateway that makes EOS console commands available over HTTPS (more details [here](#))
- Technologies used: C++, Go, gRPC
- Currently in production

Life at CERN

- Unique working place
- International environment
- Visits and events for students



Beyond work





Application Process

- CV (technical format)
- 2 recommendation letters:
 - From lecturers
 - Or mentor you worked with in a previous internship/project
- Academic transcript (overview of your marks)
- **Online application form:**
 - Questions regarding your technical skills and motivation
 - Supervisors use these answers to match students with projects
 - *Take your time and answer comprehensively!*