

Benjamin Cathelineau

EMBEDDED SOFTWARE ENGINEER WITH 2 YEARS OF EXPERIENCE

44 Rue Léon Frot

📞 (+33)651683524 | ✉️ bencathelif@gmail.com | 🌐 benjamin-cathelineau-391484172/

Experience

SII, working at MBDA

Le Plessis-Robinson, France

EMBEDDED SOFTWARE ENGINEER

February 2024 - Present

- Participation in testing, maintenance and development for multiple embedded softwares
- Development of new features, resolution of existing bugs, documentation
- Automation of previously manual test campaigns for validation of new features before delivery

TIMA Laboratory

Grenoble, France

EMBEDDED SOFTWARE AND SIMULATION ENGINEER

October 2022 - January 2024

- Development of Simulink and SystemC (AMS/TLM) models
- Comparative evaluation of Cyber-Physical Systems simulation in Simulink and SystemC

Université Grenoble Alpes, DLST

Grenoble, France

TEACHER

January 2023 - May 2023

- System and Programation Environment course for first year university student : Labs and in Class exercices
- Bash scripts, C programming basics and simple finite state machine modeling

TIMA Laboratory

Grenoble, France

MASTER 2 INTERN

February 2022 - June 2022

- Continuation of a PhD : Parallel Simulation of Cyber-Physical/Embedded Systems models in SystemC

Kayentis

Meylan, France

ENGINEER ASSISTANT INTERN

May 2021 - September 2021

- Automatic Response System *PowerShell* script
- Web Browser automation with *Selenium* for probing Web Services

Givaudan

Vernier, Switzerland

INTERN

April 2019 - July 2019

- Research and deployment of a network monitoring solution (Advanced Host Monitor)
- *PowerShell* scripting for automation

Abissa Informatique Genève

Genève, Switzerland

INTERN

July 2018 - August 2018

- Research and deployment of an IPAM (IP address management) solution (Phplpam)

Skills

Programming	C, C++, GDB, make, Python, Java
Tools	IBM suite (Rational Rhapsody, EWM), Embedded Linux, VMWare WorkStation
Modeling and Simulation of Embedded Control Systems	Simulink, SystemC-TLM, QEMU, Physical Modeling (Differential Equations)
Computer Networks	Cisco CCNA 1 and 2, Wireshark
DevOps and Automation	Docker, Kubernetes, git, Jenkins, Shell Scripts
Languages	French (Mother Tongue), Fluent English (TOEIC 970, TOEFL 104)

Education

Grenoble INP - Ensimag and Université Grenoble Alpes

Grenoble, France

MASTER OF SCIENCE IN INFORMATICS AT GRENoble - DISTRIBUTED COMPUTING: FROM CLOUD TO EDGE COMPUTING,

October 2021 - June 2022

EMBEDDED SYSTEMS AND NETWORKING

- Obtained a PhD scholarship based on academic achievements

Grenoble INP - Ensimag

Grenoble, France

ENGINEERING DEGREE - INFORMATION SYSTEMS ENGINEERING

September 2020 - June 2022

Université Savoie Mont Blanc, exchange with Montana State University

BACHELOR - COMPUTER NETWORKS AND TELECOMMUNICATIONS

Bozeman, Montana, USA

August 2019 - May 2020

IUT Annecy - Université Savoie Mont Blanc

UNIVERSITY DIPLOMA OF TECHNOLOGY - NETWORKS AND TELECOMMUNICATIONS

Annecy, France

September 2017 - June 2019