

# Benjamin Cathelineau

EMBEDDED SOFTWARE ENGINEER WITH 2 YEARS OF EXPERIENCE

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## Experience

### SII, working at MBDA

EMBEDDED SOFTWARE ENGINEER

- 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

Le Plessis-Robinson, France

February 2024 - Present

### TIMA Laboratory

EMBEDDED SOFTWARE AND SIMULATION ENGINEER

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

Grenoble, France

October 2022 - January 2024

### Université Grenoble Alpes, DLST

TEACHER

- 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

Grenoble, France

January 2023 - May 2023

### TIMA Laboratory

MASTER 2 INTERN

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

Grenoble, France

February 2022 - June 2022

### Kayentis

ENGINEER ASSISTANT INTERN

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

Meylan, France

May 2021 - September 2021

### Givaudan

INTERN

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

Vernier, Switzerland

April 2019 - July 2019

### Abissa Informatique Genève

INTERN

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

Genève, Switzerland

July 2018 - August 2018

## 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

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

EMBEDDED SYSTEMS AND NETWORKING

- Obtained a PhD scholarship based on academic achievements

Grenoble, France

October 2021 - June 2022

### Grenoble INP - Ensimag

ENGINEERING DEGREE - INFORMATION SYSTEMS ENGINEERING

Grenoble, France

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*