Computer science student

Maxime Pinard

23 years old

♦ Héricourt, France

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maxime.pinard.info

in maxime-pinard

pinam45

Student in the final year of a computer science Engineer and Master's degree program

Education and qualifications

Université du Québec à Chicoutimi

Master in computer science

Currently in 3rd year, for a double degree with UTBM

Université de Technologie de Belfort-Montbéliard

Computer science engineer diploma, imaging specialty, (eq. Master of Science)

3rd year done at UQAC for a double degree

Université de Technologie de Belfort-Montbéliard

DEUTEC

Preparatory classes before the specialization

Lycée Louis Aragon (high school)

Baccalauréat with major in maths, with honours

Saguenay, Quebec, Canada

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Belfort, France

2020

Sèvenans, France

2016

Héricourt. France

2011

Languages

French: Native language English: B2 (BULATS 68), Professional working level

Spanish: Moderate level Japanese: Basic level

Computer skills

Languages: C++, C, Java, LaTeX/TikZ, Python, Bash, CUDA, SQL, HTML/CSS, Assembly, VBA... **Methods/Tools**: Agile, Unit tests, Design patterns, UML, BPMN, git, CMake, Make, Maven, Regex

Metaheuristics: Tabu search, simulated annealing, genetic algorithms, ant colony optimization algorithms, PSO

Libraries: boost, fmt, spdlog, OpenGL, OpenCV, OpenMP, MPI, GTest, Catch2, Capstone, Keystone, Json, SFML, ImGui, GLFW, GLM,

libmpg123, TagLib, JavaFx, JUnit4

System administration: GNU/Linux (Debian 8+), personal server for Java EE and Docker web services hosting

IDE: Visual Studio, JetBrains IntelliJ IDEA and CLion, Eclipse

Publications

[1] J. Boulmier, F. Holweck, M. Pinard, and M. Saniga, "Veldkamp spaces of low-dimensional ternary segre varieties," *Results in Mathematics*, vol. 74, no. 1, p. 54, Feb. 2019, ISSN: 1420-9012. DOI: 10.1007/s00025-019-0974-2.

Others qualifications

- o French driving license
- o PSC1. French first aid certification

Work experiences

estitut de Recherche en Informatique, Mathématiques, Automatique et Signal, 6 months	Mulhouse, France
tagiaire Development of memetic hybrid metaheuristics for the Set Cover Problem	09/2019 - 02/2
and C++ high performance implementation	
mbulances Phoenix, 4 months	Héricourt, France
mbulance technician, Patient care and transportation	07-08/2018, 07-08/20
irection Générale de l'Armement Maîtrise de l'Information, 6 months	Bruz, France
Work on GenDbg, a multi languages / OS / architecture debugger: Development in C of a disassembly module for MIPS architectures and the associated unit tests Work on YaCo, an IDA Pro plugin enabling collaborative reverse-engineering using Git: Ported to $C++$ and improved Git repository management and IDA events handling	08/2017 - 01/2018
AB France, 1 week	Evolène, Switzerland
ctivities supervisor, Camp of 40 young people, team of 15 supervisor	02/2016
AB France, 1 week	Contamines, France
ctivities supervisor, Camp of 50 young people, team of 20 supervisor	1
ouchier SAS, 4 weeks	02/2015 Héricourt, Franc e
tern, Installation of gaskets and assembly of smoke evacuation systems	
	01/2015
Projects	
ersonal	
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	dynamic_bitsei MagicPlaye
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Computer science: New programming paradigms, procedural generation, operational research, software optimization, cryptography and the evolution of quantum computing.

Science: Mathematics, physical system simulation, quantum physics...

Sport: Skiing and winter sports, cycling (mountain biking in a club for 3 years), mountain hiking.