Jonathan LÉVY

Software Engineer - Science, Embedded - French

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Experience

Jun. 2021 – Sep. 2021	**R&D Software Engineer**, *Inria/CIRAD*, Montpellier, France Extension of software for plant growth simulation
Dec. 2019 – Feb. 2021	**R&D Software Engineer**, *SED - Inria*, Sophia-Antipolis, France Custom-tailored software development for research projects

Education

2021–2022	**Research Student**, *Osaka University*, Japan, MEXT Scholarship 2020 Experience of Japan and high-performance computing research with GPUs, Pr. INO Lab.
2017–2019	**Master of Science, Embedded Systems**, *TU Delft*, The Netherlands Thesis: *Acceleration of DNA seed-extension alignment for BWA-MEM using GPU*
2016–2017	**Student in Mechatronics, 3rd year : prepared and got received at the *agrégation*, a competitive exam for teaching in technical universities in Engineering, track "Informatics Engineering"**, *Ecole Normale Supérieure de Rennes, formerly Cachan*, Bruz, France Obtaining a Master's Degree in Science Teaching specific from the Ecole Normale Supérieure
2014–2016	**Student in Mechatronics**, *Ecole Normale Supérieure de Rennes, formerly Cachan*, Bruz, France BSc. Electrical Eng., BSc. Mechanical Eng.

Languages

French	Native speaker	*Born and raised*
English	Complete fluency	*IELTS : 8/9, TOEIC : 980/990*
Japanese	Conversation level, autonomous learning	*Approximate level JLPT N3*
Spanish	Conversation level	*French Baccalauréat + 2 years study*

Computer skills

C / C++	Regularly	*Qt, multi-process, Oriented-Object Programming*
CUDA	Regularly	*CUDA-C++ Programming*
Python	Fairly proficient	*General use with libraries and OOP*
Git	Regularly	*Branches, Commits, Issue management, Git Flow convention & CI/CD*
Other languages	Fairly proficient	*Ruby, Android/Kotlin, Makefile/CMake, HTML-CSS-JS, VueJS*
Server management	Notions	*nginx web server, systemd services, cron jobs, general UNIX & shell-related use*
LaTeX	Regularly	*Articles, slideshows, any kind*
LibreOffice	Regularly	*Any kind of document*

Interests & Hobbies

Podcasts Producing a podcast called *Recommandé* on the *Calvinball Consortium* network (in French).

Personal Project Administrator of the *Calvinball Consortium* server (website, episode release management, security), some Android app development as hobby

Music Rock, Pop, EDM, Vocaloid

Video games Action-RPG, platform games, rhythm games

References

Fumihiko Ino
Researcher in GPU parallel computing
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R&D Software Team Lead
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Zaid Al-Ars
Researcher in GPU parallel computing
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Martin Quinson
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Software Researcher at INRIA, France
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