27 years old

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in /in/jeremy-p-dahan/

✉ jeremydahan@protonmail.com

🌐 jde.xyz (blog)

📍 Paris, France

Languages

French : Native speaker
English : Fluent
Chinese : HSK3 certification level (2018)
Spanish : Basic level

Programming Languages

Fluency :
JavaScript (frontend and backend)
& HTML5/CSS3 (VueJS)

Python (scientific, machine learning, general purpose and embedded)

Good level :
Bash & Unix sysadmin

Embedded C++

SQL (Postgres, SQLite, JSON ext.)

G-Code

MATLAB

LaTeX

Beginner level :
Assembly (reverse engineering),
Java

Software

- Autodesk Fusion360 & Inventor
- KiCad
- Adobe Illustrator & Photoshop
- MS Office, …

Activities

- Musical instruments making
- Cooking (European/Asian cuisines)
- Asian cinema (China, HK, Taiwan, Japan, Korea)

Jeremy DAHAN

v0.9c

Mines ParisTech engineer ready to join a project with a positive environmental impact on the energy and mobility sectors. More in my blog : jde.xyz

Experience

R&D Consulting

Machine vision and machine learning for PV cells factories
2018-2022
Eq. 20 months

CEA INES (National Solar Energy Institute) - freelance consultant

2 worldwide patents (as author), PVSEC proceedings
Skills : hardware prototyping for industrial use, semiconductor physics based algorithms, predictive maintenance, machine vision

Real time control of industrial robotic arms
2019
3 months

Hutchinson Group - freelance consultant

Skills : hardware prototyping for industrial use, mathematical modeling, physics based algorithms, real time control of an industrial robotic arm with high speed sensors

Entrepreneurship

CTO & Co-Founder
2015-2022
Incl. 2 years full time

EndoData, a dental software startup

Started as a side project, €200K revenue, company estimated at €1M, 150K+ lines of code, hundreds of iterations
Skills : company wide and technical strategy, company management, pitching, product owning, full stack software development,

Scientific research

Machine Vision for PV cells research
2018
6 months

CEA INES (National Solar Energy Institute) - internship

Skills : white room environment experiments, machine vision pipeline, UI/UX for research and industry

Real time control of musical instruments
2016-2017
6 months

Mines ParisTech - Center for Automation - internship

Skills : real time control of complex non linear systems, embedded programming, high speed spectrum analysis, electromagnetic physics, hardware prototyping

Chemical process design for PV cells
2017
4 months

Shanghai Jiao Tong University - internship

Skills : chemical process design, industrial problem solving and research, PV industry power dynamics

Education

Master of Science and Engineering
2015-2018

Mines ParisTech - PSL, ranked 38th on the global Shanghai ranking, ranked 3rd in France

Bachelor of Science and Engineering
2013-2015

Lycée Saint-Louis, top 10 engineering preparatory classes school in France