

Pascal Heitz

Curriculum Vitæ

Work Experience

Founder at HyperCube Labs

Prague, Czech Republic August 2023 - Current
Design and manufacture of interactive gaming floors. Electronics, PCB, mechanical and software R&D. Client prospectation. (KiCAD, Arduino, Deno, TypeScript, Fusion360, 3D Printing).

Freelance Fullstack Engineer at LaGuild.io

Remote May 2021 - Current
Architecture and development among multiple French startups. Lead and coaching of junior and intermediate fellow developers. Setup and enforcement of good programming practices. Happy customers: Assolib, Spotlit, Masteos, Artrade. (Typescript, NodeJS, NestJS, ReactJS, MongoDB, Elastic-Search).

Senior Software Engineer at Salsita

Prague, Czech Republic May 2019 – April 2020
Creation of a MDM (Mobile Device Management) (Android, Java, NodeJS). Device on-boarding app using QR-code and NFC (React, Ionic / Capacitor).

R&D & backend engineer at Salsita/Corkscrew

Prague, Czech Republic Aug 2015 – July 2018
Corkscrew is an app that helps you choose the best wine in a restaurant or a wine shop. Rule-based fuzzy wine identification pipeline (NodeJS, ElasticSearch). Eshop crawling (NodeJS, nightmare). App backend (NodeJS, Express, MongoDB). Staff dashboard (AngularJS). Database administration.

AI Researcher at Keen Software House




Prague, Czech Republic June 2014 – Jan 2015
Among a small team of researchers and engineers, I researched AI algorithms, convolution neural networks with supervised / unsupervised / reinforcement learning. I developed and tested new ideas with either Octave or C#/CUDA. I've also developed tools to visualize and monitor network behaviors.

C++ Engineer at Dalet

Brescia, Italy ; Beer-Sheva, Israel Feb 2014 – April 2014
Creation of a multithreaded Motion-JPEG player plugin, exportable to Windows applications in the form of a DLL.

R&D C++ Engineer at Safran Morpho

Paris, France March 2013 – Aug 2013
End-of-study internship. Research on photometry-based control of digital camera settings.

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 Prague, Czech Republic

Excited about building quality tools to improve people's life. Not afraid to learn a few things along the journey.

Education

2013 **Master of Computer Science**
MAJOR COGNITIVE SCIENCE
EPITA, Paris

Skills

Front-End	TypeScript, Javascript, ReactJS, NextJS
Back-End	NodeJs, NestJS, MongoDB
Other	C++

Languages

ENGLISH	Fluent
FRENCH	Native
CZECH	Intermediate
SPANISH	Forgotten

Interests

Sport	Badminton, Motorbike
Music	Piano, Accordion
Other	Cooking, Cats

Community involvement

2012 President of ASME
– ASME is a student organization which promotes motorsports such as quadbike, karting, motorcycles within the campus.
2013