

Snow | Adrien Pingard

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Computer engineering student who started the development as an autodidact at **fourteen years old** by doing software, web, and embedded systems development. Specializing in **JavaScript** and **Node.js**.

Experience

Javascript Developer, intern SAP *Paris, FRA* **09/2022 - 02/2023**

- Create a complete **DevOps** tool in **JavaScript**, that allows for management and execution of npm scripts. Tool adopted by a SAP team of over **40+** developers. [ScriptEase](#) (light version).
- Initiated cross-platform adaptation for IRPA desktop app and SDK, using **ElectronJs**, **C++** addons, **JavaScript**.
- Improved compatibility and maintainability by refactoring over **300** scripts and workflows for the IRPA team.
- Implemented, in **C++** features like screenshot, highlighting using **Wayland** and **X11** graphic drivers.

Teaching Assistant C / C# EPITA *Toulouse, FRA* **09/2021 - 06/2022**

- Weekly supervision of the second- and first-years students' practical works (**30+** students).
- Grading practical works and exams.

Coding bootcamp 42 *Paris, FRA* **07/2019 - 08/2019**

- Achieving a top **5** ranking out of 500 participants in an intensive one-month development program focused on **C** and **Shell** scripting, utilizing a peer-to-peer learning system without formal instructors.

Education

Master of Computer Science EPITA *Paris / Toulouse, FRA* **08/2019 - 2024**

- Major in Computer Engineering / Multimedia. **GPA**: 3.7/4.0

Projects

CodeSight Algorithms Visualizer **2023**

- Developed a **TypeScript**-based task manager enabling algorithm breakpoint visualization, step-by-step data transmission, and real-time algorithm state display, with additional functionality like a **p5.js**-based force-directed graph visualizer.

PING Rust IDE **2022**

- Build **JS / React / Electron** software (IDE) for coding and running rust code. With a homemade packages manager.

Nyte Website **2022**

- Full-stack development using **JavaScript**, **Express**, **Prisma**, **Websockets**.
- Implementation of a leaderboard and statistical features. Flexible grade average calculations for different grading systems.
- Successful deployment with over **200** registered users and an average of **20** daily connections.

Tek Crypto Blockchain **2021**

- Developed a **C**-based CLI program to build a versatile blockchain network comprising basic, miner, and API nodes.
- Created an **ExpressJS** website enabling cryptocurrency transactions via an API node.
- Successfully demonstrated the system's resilience during a live presentation to **60** attendees.

42sh Shell Interpreter **2021**

- Recreated a basic UNIX shell in **C**, faithfully adhering to the grammar defined in the UNIX Shell Command Language specifications ([link](#)).

Professional Events

- **CODE100** : Won **1700€** worth of gifts during the Code100 Europe's Ultimate Coding Competition in Berlin, Germany (**08/2023**)
- **WAD**: Participate to the WeAreDeveloper World Congress 2023 in Berlin, Germany (**08/2023**)
- **SIAE**: Participate to the International Aerospace and Space Exhibition 2023 in Paris, France (**06/2023**)

Skills

- **Programing Languages**: JavaScript, Typescript, Java, C#, C, Swift, SQL, HTML/CSS
- **Frameworks & Libraries**: NodeJs, NestJs, NextJs, Express, React, Electron
- **Database & Tools**: MongoDB, Npm, Docker, PSQL, Git, Jenkins
- **Professional Roles & Skills**: Full-Stack (Backend, Frontend), OOP, API REST, problem solving, debugging, testing (unit, e2e), CI/CD
- **Languages**: English (Toeic 870), French

More details and projects on my LinkedIn.