Jean Philipp Donie

Berkeley, California and Potsdam, Germany
mail@jpdonie.com | jpdonie.com
linkedin.com/in/philipp-donie | github.com/jpdonie

Education

University of California, Berkeley Visiting Student, Computer Science (Berkeley International Study Program) — Aug – Dec 2026

Coursework: Introduction to Artificial Intelligence (CS 188), Programming Languages and Compilers (CS 164), Introduction to Financial Engineering (IEOR 221).

Hasso Plattner Institute, University of Potsdam B.Sc. IT-Systems Engineering — Oct 2024 – expected 2028

University of Potsdam Early-entry study, computer science and computational science — Oct 2023 – Sep 2024

30 ECTS credits of university coursework, completed alongside the final year of school.

Experience

Axel Springer / Media Impact AI Engineering Intern — Nov 2025 – Jan 2026

- Built a prototype that turns scattered advertising product documentation into a structured, queryable product database, with a sales assistant on top.
- Served the assistant through a FastAPI backend, so a web front end, a CRM or an email workflow can share it.
- Presented the results to senior executives from SAP and the industry partner, as part of an HPI industry project in which our team reached the final.

Hasso Plattner Institute Tutor, artificial intelligence and machine learning — Oct 2025 – May 2026

- Designed and taught units on artificial intelligence and machine learning, including their mathematical foundations, for school students in grades 10 to 13 from across Germany.

Hasso Plattner Institute, Schülerkolleg Tutor, Python — Oct 2024 – Mar 2025

- Taught an introductory Python course for school students.

Workshops Instructor — 2025 – 2026

- A design-thinking course at the HPI Education Club summer camp (2026) and a digital-logic workshop with Femtec and Fraunhofer in Berlin (2025).

Projects

DemocracyHQ democracy-hq.org — Live prototype, 2026

An open research tool that puts election litigation, election legislation and electoral boundaries in the United States on one map, every record linked to its official source. Python pipeline, React, TypeScript, MapLibre GL JS, GitHub Actions.

Wikipedia Quick Search HPI d-school and Wikimedia Deutschland — Released, 2026

A cross-browser extension that opens the Wikipedia article for selected text in the browser's side panel, published in the Chrome Web Store. I built the extension within a five-person design-thinking team. TypeScript, Manifest V3, MediaWiki API.

Supervised security agents Hack Nation Venture Lab 4 — Early development, since Nov 2026

A desktop application in which AI agents assess a computer's security read-only and propose fixes that run only with explicit permission and leave an audit trail. Rust, Tauri, React, local language models.

HorizonDB and Investment-Bot — Prototype and research software, 2026

A provenance-first financial research database that keeps every revision (Long Horizon Agents Hackathon), and a deterministic backtesting platform that keeps future data out of past decisions.

Research

Leander Neubronner, Alexander Loran and Jean Philipp Donie. "AI-Powered Process Integration in B2B Advertising Sales: An LLM-Based Approach to Fragmented Organizational Knowledge." DESRIST 2026, Student Track, Münster, Germany. Accepted.

Fellowships and awards

- German Academic Scholarship Foundation (Studienstiftung des deutschen Volkes), scholar, since 2025.
- Plug and Play University Program, fellow, and Hack Nation Venture Lab 4, selected participant, since Oct 2026.
- German American Conference at Harvard: Transatlantic Thought Leader, one of ten winners of the inaugural essay competition, 2025.
- Potsdamer Jugend-Innovationspreis, first place with a student sustainability initiative, 2023.
- Jugend jazzt: Brandenburg state winner with Jazz for Leif, national round in Dortmund, 2024.

Civic engagement

Elected member of the 29th Student Parliament of the University of Potsdam (since 2026) and elected student member of HPI professorial appointment committees (2024 – 2026). Member of START Berlin (2025 – 2026). Board and committee roles in the RCDS, at regional and federal level, and in the CDU in Brandenburg, listed at jpdonie.com/civic.

Skills

Python, TypeScript, Java, C and C++, SQL; FastAPI, PostgreSQL, React, Git, Docker; LLM-based extraction and agents.

German (native), English (C1, Cambridge), French (A2).