Léo Dessertenne

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Available for a 3-month software engineering internship between March and September 2027

Education

ESIEE PARIS – GUSTAVE EIFFEL UNIVERSITY — Champs sur Marne, France
MEng in Computer Science (Diplôme d'Ingénieur), Apprenticeship track — 2024 - 2027
Relevant Coursework: Back-End Web Development, Operating Systems, Advanced Networking & Virtualization, Cybersecurity, Graph Databases, Systems Programming in C/C++

GUSTAVE EIFFEL UNIVERSITY — Champs-sur-Marne, France
BUT Informatique (BSc), Application Development track Ranked 7th out of 42 students — 2022 - 2024
Relevant Coursework: Databases, Algorithms, Programming, Object-Oriented Design, Software Project Management

LYCÉE SIMONE VEIL — Noisiel, France
Baccalauréat (French national secondary school diploma) STI2D, with honours — 2020 - 2022
Selected participant, "Cordées de la Réussite" outreach programme, in partnership with École des Ponts ParisTech

Technical Skills

Programming: Java, PHP, C++, Python, JavaScript, SQL, Go.
Frameworks: Spring Boot, Bootstrap, jQuery, React, Tailwind.
Databases: PostgreSQL, Solr, MySQL.
Tools: Git, Maven, Jenkins, Jira, Docker, Github Actions, Postman, AWS.

Relevant Experience

IDM GROUP — Champs-sur-Marne France
Full-Stack Developer Apprentice — September 2023 - Now

- Develop and maintain the online dictionary platforms of Oxford University Press, Cambridge University Press and HarperCollins, serving ~100M monthly visitors
- Shipped an AI-powered search feature for the Oxford English Dictionary end to end, from backend service to user interface
- Diagnosed and fixed a relevance defect that was returning irrelevant results to users across the platform
- Rebuilt Cambridge Dictionary Online on React, replacing a decade-old codebase and producing a component library

Projects

Quiz game, Vue 3 / Vite, Python , SQLite, Docker, JWT — September 2025 - November 2025

- Built a full-stack quiz platform pairing a public game front end with a JWT-authenticated admin back office
- Shipped as two production Docker images, deployed by the school's IT department
- Validated the REST API against an imposed Postman suite and extended it with test-first coverage for custom endpoints
- Met eco-design constraints: every API response under 1 MB, each third-party dependency justified against bundle size

Links Awordkening, React (TypeScript), PHP, SQL, JWT — September 2023 - June 2024

- Designed the relational schema covering users, games, scores, friend relationships and audit logs
- Implemented account visibility settings, email verification and friend-request state handling
- Built the game client as a TypeScript React app on an atomic-design architecture of ~120 components, consuming a JWT-authenticated PHP REST API

Pimp my paids, PHP, SQL Database lead, six-person simulated client project — October 2023 - January 2024

- Designed a seven-table schema with foreign-key integrity and cascade rules across transactions, remittances and chargebacks
- Implemented role-based access for three profiles (product owner, administrator, merchant), each with its own dashboard scope
- Delivered Excel export, balance-evolution charts, and email-based account validation and password recovery

ESIEE Game jam, 72-hour game jam (four-person team) — February 2026

- Built a complete playable game from scratch in 72 hours with a team of four
- Implemented the core game loop, pursuit AI for enemy movement and pathing, and level layout
- Placed 4th of 20 teams in a final round judged by public playtester vote

Certifications

French (native), English (TOEIC 900/990), Spanish (A2).