

Simon van Noort

github.com/noorts | linkedin.com/in/noorts

Experience

Database Researcher, Intern **CWI (Amsterdam, NL)** **Sep 2025 – Feb 2026**

- Building a high-performance vector similarity search system (C++) in Prof. Boncz's Database Architectures group

Software Engineer, Intern **Google (Warsaw, PL)** **June 2025 – Aug 2025**

- Refactored a core infrastructure service (C++) used by more than 60% of all services within Google resulting in improved infrastructure reliability and maintainability
- Verified the service's behavior and gave a presentation which is now part of the team's educational material

Software Engineer, Intern **Datadog (Paris, FR)** **Feb 2023 – Aug 2023**

- Led a 6-month initiative to automate technical processes in the Synthetic Monitoring team. Gathered requirements, performed research, wrote peer-reviewed design documents, coordinated cross team, and built the tooling using TypeScript, Node.js, Jest, AWS, and Docker

Software Engineer **Onramper (Amsterdam, NL)** **(Part-time) Aug 2021 – Jan 2023**

- Laid the foundation of a dashboard and configuration platform. Gathered requirements, defined the technical architecture and the MVP, wrote design documents, gave presentations, and onboarded engineers
- Led the development of production microservices and internal tools as a full-stack developer using TypeScript, Serverless, Node.js, React.js, Jest, GitHub Actions, and AWS
- Automated 60% of manual tasks in the sales process and sped up CI by 3-5x, saving the team countless hours

Auditor, Intern **EY (Amsterdam, NL)** **Feb 2019 – June 2019**

- Performed auditing and reconciliation tasks to support accountants in timely delivery of audits
- Secured €15,000 in funding by building tooling at a hackathon

Education

M.Sc. Computer Science **University of Amsterdam & Vrije Universiteit (NL)** **Expected Feb 2026**

- Track: Parallel and Distributed Systems
- Highlights: OS kernel, SSD firmware, TCP/IP stack, compiler, file system, formal verification

B.Sc. Software Engineering **Amsterdam University of Applied Sciences (NL)** **2019 – 2023**

Cum Laude, GPA: 9.2/10.0

Voc. Ed. Business Administration **Horizon College (Alkmaar, NL)** **2017 – 2019**

Cum Laude, GPA: 9.1/10.0

Skills

Languages C++, C, Python, Java, TypeScript, JavaScript

Technologies AWS, Kubernetes, Docker, GitHub Actions, Git, Unix, Linux, SQL, NoSQL, Bazel, CMake, Make, Protocol Buffers, Google Test, Serverless, Node.js

Other Distributed Systems, Systems Programming, Database Management Systems, Data Engineering, Data Structures and Algorithms, Software Design, Web Development, Machine Learning, AI, Formal Verification, Complexity Analysis, OOP, Testing, CI/CD, DevOps, Scrum