

BRYAN VAN WINNENDAEL

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WORK EXPERIENCE

Intern Full Stack Engineer , IMEC

March 2023 - June 2023

- Developed a scalable backend infrastructure using FastAPI, Python, and Docker. Optimized a critical function, making it more than 100% faster, significantly improving performance and efficiency.
 - Designed and implemented the frontend interface using Next.js and TailwindCSS.
 - Collaborated closely with team members to gather requirements, refine design specifications, and iterate on features throughout the development lifecycle.
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PROJECTS

Noted

- Developed Noted, an innovative note-taking app: Combined the best features of Notion and Obsidian, allowing users to write notes in a customizable block-style format.
- Built the application using Electron, React, and Editor.js to ensure a robust, responsive, and user-friendly interface.
- Developed the backend with FastAPI and Firebase, integrating GitHub Actions for CI/CD to automate testing and deployment.

Point Cloud Processor

- Co-developed Point Cloud Processor, an AI-powered desktop application as our final project for our degree.
- Collaborated with a team of four to create an application using Python and PyQt5, leveraging RANSAC for detecting and extracting information about planes in point cloud data.

Harbor

- Developed Harbor, a comprehensive Docker management web application.
 - Built the application using Go, Air, SQLite, TailwindCSS, and HTMX to ensure performance, responsiveness, and a seamless user experience.
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EDUCATION

Sep 2020 - June 2023

Applied Computer Science (PBA)

UC Leuven-Limburg

- Specialization in Software Development.
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ADDITIONAL INFORMATION

- **Technical Skills:** Python, TypeScript, JavaScript, Docker, Git, PostgreSQL, React, Java
- **Languages:** English, Dutch