

# Max Sandmann

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## EDUCATION

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- **Technische Hochschule Nürnberg** Nürnberg, Bavaria  
*Bachelor of Science Computer Science; Grade: 1.6* Sep. 2020 – Mar. 2024
  - **Courses:** Computer Science Basics - Mathematics - Statistics - Software Engineering  
Interactive Systems - Operating Systems - Databases - Web-Programming  
Softwarearchitecture - Cryptography and Informationsecurity - Financial Mathematics  
Text Analytics - Technical Computing - Distributed Systems
  - **Thesis:** Analyse und Implementierung von Regressionsmodellen zur Bildung von  
Energieleistungskennzahlen in einem Energiemanagementsystem bei der ProLeiT GmbH - engl.:  
Analysis and implementation of regression models for building energy performance indicators in a  
energy management system at ProLeiT GmbH
- **ProLeiT GmbH & IHK Nürnberg** Herzogenaurach, Bavaria  
*Apprenticeship as an IT specialist for application development; Grade: 1.3* Sep. 2019 – Feb. 2023

## EXPERIENCE

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- **ProLeiT GmbH** Herzogenaurach, Bavaria  
*Junior Project Engineer* Mar. 2024 - Current
  - **Plant iT Innovation Core:** Migrating whole server components of modular application and all of its  
modules from .NET Framework 4.5 to .NET 8; Integrating authentication with OIDC and Identity  
Provider from a existing software product
  - **SAP Schnittstellen:** Collaboration for developing a interface between Plant iT and SAP in MS SQL  
and .NET
- **ProLeiT GmbH** Herzogenaurach, Bavaria  
*Combined studies Computer Science* Sep. 2019 - Mar. 2024
  - **ProZubi:** Developed an internal desktop and server application from the ground up for writing  
apprenticeship diaries and managing many processes regarding the apprenticeship. It is used by  
around 500 employees and improved the workflow for supervising trainees greatly.
  - **Plant automation:** I was involved in multiple projects for automating production plants, creating  
visualisations and I developed custom applications for many customer projects, like breweries and  
dairy plants.
  - **Energy optimized production planing:** Developed a application for planing and supervising  
energy usage in a production plant for reducing load peaks and therefore save costs.
  - **Interface development:** Developed a application for planing and supervising energy usage in a  
production plant for reducing load peaks and therefore save costs.

## PROJECTS

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- **CowVation:** App for cattle management to use on family-owned farm
- **rustibal:** Simple 3D engine written in Rust
- **AgroDesk:** Cloudapplication for writing invoices, managing fields and crops for farmers

## PROGRAMMING SKILLS

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- **Programming languages:** C#, Python, TypeScript, Go, SQL
- **Technologies:** AWS, Ansible, Docker, Vue.js, REST, Redis, ASP.NET, WPF, PostgreSQL, MS SQL  
Server