Max Sandmann

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EDUCATION

- **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*

- **Gymnasium Scheinfeld** — Scheinfeld, Bavaria
  German A-Levels; Grade: 1.7 — *Jun. 2019*

EXPERIENCE

- **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

- **ProLeiT GmbH** — Herzogenaurach, Bavaria
  Combined studies Computer Science — *Sep. 2019 - Mar. 2024*
  - **ProZubi**: ProZubi is an internal company desktop application for writing apprenticeship diaries
    and managing all 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.

PROJECTS

- **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

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