

## Experience

### Senior Software Engineer, Mint Medical GmbH — 2021-Present

Planning and implementation of a new rendering & interaction foundation for the medical image viewer.

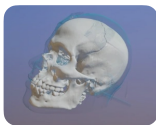
### Software Engineer (Working Student), Mint Medical GmbH — 2018-2021

Various improvements and optimizations around the medical image viewer.

### Software Development Intern, Mint Medical GmbH — 2017, 3 months

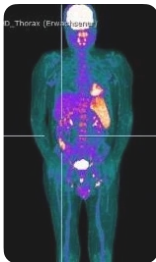
Planning and implementation of a maximum intensity projection (MIP) that runs on a CPU in real-time. The MIP assists radiologists in reading and navigating PET images in 3D.

## Education



### Hochschule Darmstadt — M.Sc. Computer Science, 2020

Photorealistic real-time rendering of lesions in CT image data using modern graphics techniques.



### Hochschule Darmstadt — B.Sc. Computer Science, 2017

Implementation of a real-time maximum intensity projection (MIP) of medical image data. Award for the best bachelor's thesis of that semester (2018). [\[Link\]](#)

## Skills

### Languages

German, English, Turkish

### Programming

Specializing in software architecture and low-level performance optimizations.

Languages: C, C++, C#, Rust, Java, Python

Other: Qt, WinForms, WPF, Language Interop (i.e. C++/CLI & P/Invoke)

### Computer Graphics

Specializing in volumetric rendering and ray tracing techniques.

APIs: Direct3D, OpenGL, Metal, Vulkan

## Projects

<a href="#">cerlib</a>	Cross-platform 2D Game Library for C++
<a href="#">cppgfx</a>	CPU-based graphics library
<a href="#">gocpp.dev</a>	Single-command C++ project generator
<a href="#">SharpConfig</a>	Popular CFG/INI library for .NET
<a href="#">linq11</a>	Header-only LINQ library for C++
<more on my <a href="#">website</a> >	

## Awards

Programming in C# (Exam 70-483) — Awarded by Microsoft, 2019

Fachbereichspreis — Awarded by Hochschule Darmstadt, 2018

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