

Shape the Future of AI Chip with Us — Join the Chair of AI Processor Design!

Student Assistant HiWi (m/f/d)

At the Chair of AI Processor Design, we don't just sit in the lab — we drive innovation and shape the future of AI. **We don't just imagine the future AI chips— we build them!** If you are passionate about AI chips and eager to make a real-world impact, this is your opportunity! We are searching for an enthusiastic and skilled student with experience in PCB design and hands-on hardware testing to help us push the boundaries of AI chip innovation.

Why You Should Join Us?

Global Stage: Work with a world-leading team breaking barriers across Germany, Taiwan, the USA, and the EU. Our collaborations with top universities and industry giants — combined with work on cutting-edge nodes like 7nm — put you at the center of global AI innovation.

Inspiring Environment: Surround yourself with an ambitious, international team of scientists, engineers, and visionaries, all driven by a shared goal: pioneering the next generation of AI chips that will transform how we live and work.

Powerful Partnerships: By contributing to our novel AI chips, you tap into our extensive network of top-tier industry leaders to jumpstart your career and broaden your horizons.

Impact That Matters: Be part of projects and cutting-edge research where AI will change the world — from smart mobility to future healthcare breakthroughs.

We need you! Come and be part of this journey to shape a better future with AI Chips

Your Mission: Support our groundbreaking research by designing and testing PCBs for our custom AI chips, fabricated in state-of-the-art technologies from 28nm and 22nm processes to the latest 7nm FinFET nodes.

Your contributions will include:

- Designing and assembling PCBs for silicon validation
- Creating schematics and layouts using tools like Altium or KiCAD
- Lab testing and debugging with oscilloscopes, logic analysers, cryogenic measurements, and more

Your Profile

- Enrolled in Electrical Engineering (EE), Computer Engineering (CE), or a related field
- Experienced with PCB design tools and lab testing equipment
- Proactive, independent, and excited to take ownership of your work

What We Offer

- The chance to work on next-generation AI chips that will shape industries
- Flexible working hours within a highly supportive, high-energy team
- **A real opportunity to see your designs come alive in silicon**
- You can select the number of hours which are suitable for you ranging from 20h – 80h per month.

How to apply: We're excited to hear from you! Please send your application — including a cover letter (summarizing your PCB design experience), your CV, and proof of previous employment — **in a single PDF file by May 20, 2025 to:** Professor H. Amrouch (amrouch@tum.de) and A. Mema (a.mema@tum.de).