

# Tan-Colin Wei

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Availability for internship: June – December 2025



## EDUCATION

**Carnegie Mellon University (CMU) – Semester abroad**

**Pittsburgh, USA**  
Jan 2025 – May 2025

**Technical University of Munich (TUM) – M.Sc. Informatics**

- Current German GPA: 1.5 (Best: 1.0)
- Specialization in “Machine Learning and Analytics”

**Munich, Germany**  
Apr 2023 – Mar 2026  
(expected)

**Technical University of Munich (TUM) – B.Sc. Information Systems (Wirtschaftsinformatik)**

- German GPA: 1.4 (Top 4%, Best: 1.0)
- Thesis: “Comparing Machine Learning Models for Breaking CAPTCHAs in Darknet Marketplaces”

**Munich, Germany**  
Oct 2018 – Mar 2023

**National University of Singapore (NUS) – Semester abroad**

**Singapore**  
Jan 2022 – May 2022

**Justus-Liebig Gymnasium – German high school diploma (Abitur)**

- German GPA: 1.7 (Best: 1.0)

**Darmstadt, Germany**  
Aug 2010 – Jun 2018

## EXPERIENCE

**SmartAIs (early-stage startup)**

*Software engineer*

- Developed an iOS application to guide blind people outdoors using computer vision and deep learning
- Optimized real-time processing and an accessible user interface ensuring reliable obstacle avoidance

**Munich, Germany**  
Feb 2024 – May 2024

**Parloa**

*Software engineer*

- Developed an evaluation algorithm for LLM-driven bots using comprehensive evaluation metrics
- Collaborated cross-functionally to integrate continuous improvement of language understanding

**Munich, Germany**  
Oct 2023 – Jan 2024

**Software Engineering for Business Applications**

*Full-stack developer*

- Developed a [React web application](#) using the MERN stack in a team of four developers
- Designed a new business model for a C2C sharing platform including software architecture

**Munich, Germany**  
Apr 2023 – Jul 2023

**TUM School of Computation, Information and Technology (CIT)**

*iOS app developer*

- Developed an [iOS app](#) to automate grading of student submissions in a team of eight developers
- Lead presenter of deliverables to 100+ stakeholders (best presentation among eight teams)

**Munich, Germany**  
Oct 2022 – Feb 2023

**Oliver Wyman**

*Management consulting intern*

- Led operating model design for UK, China, Japan, and India for a global chemicals client

**Munich, Germany**  
Jul 2022 – Sep 2022

**Fraunhofer Institute for Secure Information Technology**

*Research assistant*

- Developed web crawlers & CAPTCHA-breaker for the darknet as part of the [PANDA project](#) for civil security

**Darmstadt, Germany**  
Mar 2021 – Dec 2021

**Accenture**

*IT-consulting intern*

- Advised a leading financial client in a digital transformation, including large-scale cloud migration

**Frankfurt, Germany**  
Sep 2020 – Nov 2020

**SAP University Competence Centers**

*Research assistant*

- Developed an ERP tool and resolved customer queries to navigate through the cloud platform

**Munich, Germany**  
May 2019 – Mar 2020

## EXTRACURRICULAR ACTIVITIES

**[Google Developer Student Club Munich](#) – Lead (as of Aug 2023)**

- Led 10+ core team members in organizing tech events with companies for 1300+ community members

May 2023 – Aug 2024

**[TUM.ai](#) – Industry department member**

- Advised industry partners on AI projects for conception, team sourcing & implementation

May 2023 – Jul 2024

## AWARDS

**CHECK24 GenDev Scholarship**

2024 – present

**Scholarship of Studienstiftung des deutschen Volkes – Max Weber-Programm**

2021 – present

**Microsoft Certified: Azure Fundamentals (AZ-900) – Score: 955/1000**

2020

## ADDITIONAL INFORMATION

**Technical Skills:**

Java, C++, Python, Swift, Typescript, TensorFlow, Keras, PyTorch, React, Node.js, REST, Azure, Docker, Git

**Languages:**

German (native)  
English (fluent, TOEFL iBT 115/120)  
Mandarin (fluent, HSK level 5)

**Interests:**

Badminton (incl. 1st prize in regional tournaments), Piano, Trumpet, Skiing