About CDTM

The Center for Digital Technology and Management (CDTM), a joint institution of the Technical University of Munich (TUM) and Ludwig-Maximilians-Universität München (LMU) at intersection of entrepreneurship, innovation and technology.

CDTM alumni have founded 280+ startups and played a substantial role in shaping the German entrepreneurial ecosystem over the past years. How much? Between 2011 and 2022 CDTM affiliated startups have received ~10% of venture capital flowing to startups based in Germany. Getting to these statistics took *a lot of time* manually collecting data.

It is time to change that and automate this process and make it possible for other institutions and initiatives.

Your Project Partner

Michael Fröhlich
- Co-Founder & CTO Alpaka Climate
- CDTM Almunus (2019-2022)
- Finished 2 Dr: One in Computer Science, and one in Economics (focusing on Entrepreneurship)

Your Profile

- You are a team of 1-4 people of motivated and independent team players
- You have demonstrated success in project execution and self-management
- You have experience in web development (ReactJS), backend development (API Development, JS or Python frameworks), and Git
- You love to build products with great UX

Project: Automated Startup Tracking

University graduates found a substantial number of startup companies. However, keeping track of the entrepreneurial impact of universities manually is near impossible. This provides a big challenge for practice and research alike. Therefore, we want to build a platform that can leverage LinkedIn to follow alumni careers and automatically detect and track founded startups. The goal of this IDP is to develop this platform. We have access to an API that can automatically crawl individual- and company LinkedIn Profiles. The challenge is now to turn this into an end-to-end platform:

- Managing linkedIn profiles that should be tracked.
- Pipelines for automated data processing and data cleaning
- Comparison of profile version to detect job changes and startup
- Company tracking (LinkedIn, Crunchbase, Web Performance)
- Visualize individual and company insights

Your challenge for this IDP is to build a modern intuitive web-based platform without the need for any technical knowledge. Are you up for it? 🚀

Why join us?
- **Learning:** We provide high standards and clear expectations. We will challenge you to exceed them and support you along the way.
- **Network:** Interested in future internship, working student, or full-time positions at Munich's bests startups? We will open our network and help you get to the next career step.
- **Impact:** The platform you are building will help us showcase the entrepreneurial impact of TUM and affiliated programs like CDTM, Manage&More, and Start Munich and more.

Application
- **Start date:** as soon as possible
- Please send your CV and relevant previous experiences/ projects to froehlich@cdtm.de
- We do not need cover letters. Instead, give us two numbers for each team member, rating yourselves from 1-10 on (a) your capability and (b) your willingness to execute the required tasks. Feel free to add explanations.