

# EQUATION

EQUITY INNOVATION

## IDP: Building the private markets intelligence platform

In Cooperation with the Chair of Entrepreneurial Finance, TU Munich

Obtain a peak into the world of private capital markets with EQUATION ([www.equation.com](http://www.equation.com)) and work at the intersection of research, data science, engineering and investment activities.

### Who we are

At EQUATION, we view innovation in private capital markets as vital for progress and improvement of society. We envision a world where the ultimate sources of capital support compelling ideas, where private market investors can make informed investment decisions, where data establishes insight and artificial intelligence augments the human mind.

Our mission is to build a data and intelligence pool of private capital markets to enable superior investments and to propel innovation. We use data and statistical methods to generate empirical evidence through observation and documentation of patterns, by experimentation and rigorous analysis. We strive to create tools that empower the investors of capital, enhance their workflows, and automate key elements of their investment processes.

## 1. Program Structure

The program consists of **4 different phases** and runs for **4 months**.

1. **Onboarding and conceptualization** (3 weeks)
2. **Development, iteration and testing** (8 weeks)
3. **Implementation, deployment and optimization** (3 weeks)
4. **Handover and documentation** (2 weeks)

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## 2. Topics

There are **2 possible topics** for the upcoming winter term that can be worked on during the program:

### Due Diligence Tool

Due Diligence is the process of comprehensively appraising an investment opportunity to evaluate its potential. This process is often being conducted by investors in a tedious and manual way, based on anecdotal evidence and prone to subconscious biases.

**Goal:** Develop a tool that supports investors making decisions based on facts, allow them to benchmark data against the entire universe of opportunities and translate the analysis into probabilistic outcomes.

## Market and Company Intelligence

Investors can achieve superior returns either through luck or an informational edge. We define an informational edge as knowing more (coverage) at an earlier point in time (speed) in a more accurate manner (truthfulness) versus any other market participant. The data needed to seize that opportunity is scattered across a lot of different sources. Therefore, a system is needed that incorporates various data sources to ensure maximal coverage.

**Goal:** Build scalable data pipelines, design powerful resolution mechanisms, and compose a unique dynamic data set of markets and companies that supports the analysis of the private capital markets in a systematic way.

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## 3. Your Profile

- You are a Master student in *Informatics* (or similar) having to complete an Interdisciplinary Project (IDP) or Application Project
- You have collected experience in software or data engineering and building applications
- You are reliable, eager to learn and able to structure your work on your own
- You write well-structured and carefully-tested code

### Tech Stack

- You have a first experience with frontend frameworks such as Vue.JS or React
  - You have foundational knowledge in object-oriented programming languages such as Python or Go
  - You have basic understanding of SQL and NoSQL data bases
  - Experience in application deployment (Docker) is a plus
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## 4. What we offer

- Welcoming atmosphere in a central office in Munich (Schellingstraße) within a motivated and international team
  - Interdisciplinary setup with the possibility to exchange knowledge with renowned industry professionals for continuous personal development
  - An open company culture to take on challenging projects at the intersection of research, data science / engineering and the investment world
  - Large emphasis on autonomy and enablement with room to create and innovate
  - A possibility to join the team as working student or full-time employee after the IDP
  - Certificate of completion
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## 5. Administrative

- The IDP for the winter term 2021 / 2022 starts on **October 12th**
  - Your IDP is supervised by Prof. Reiner Braun (Chair of Entrepreneurial Finance)
  - The practical part is accompanied by **theoretical part scoped around Venture Capital and Private Equity** courses
  - Your final grade is composed of theoretical and practical part. The practical part is evaluated phase by phase and has the most impact on the final grade.
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## 6. Application

- Applications can be submitted **until September 25th**
- Applications are possible as **team or individuals**
- Send your **CV(s), Transcript of Record(s), GitHub, LinkedIn, previous experiences** and any **questions** you might have to [matthias@equation.com](mailto:matthias@equation.com)