Niklas Baier

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M.Sc. Student in Management & Technology at the Technical University of Munich,
Certified Financial Investment Specialist (CCI) for open-end funds.
Practical experience from asset management, banking, consulting, and honorary board membership.
International and open mindset, hands-on-mentality, as well as a passion for quantitative finance.

ACADEMIC EDUCATION

10/2019 – approx. 09/2022	**Technical University of Munich** M.Sc. Management & Technology, preliminary grade of 1.5/1.0 • Major in Finance & Accounting (Asset Management, Behavioral Finance, Capital Markets Law, Derivatives, International Capital Markets & Investment Practice, Private Equity) • Minor in Informatics (Adv. Databases, Blockchain Engineering, Fundamentals of AI / ML / DL) • Awardee of *'TUMfast (TUM Finance & Accounting Selected Talents)'* scholarship	**Munich, Germany**
10/2014 – 09/2019	**Technical University of Munich** B.Sc. Management & Technology, final grade of 2.0/1.0 • Major in Finance & Accounting (Corporate Finance, Cost Accounting, Financial Accounting & Reporting, Investment & Financial Management) • Minor in Informatics (Fundamentals of Informatics / Programming / Software Engineering / Databases / Operating Systems / Document Engineering) B.Sc. Engineering Science (change of study after the 2nd semester)	**Munich, Germany**
08/2006 – 07/2014	**Municipal High School 'Werner-von-Siemens'** General A-levels, final grade of 1.0/1.0 (Laureate)	**Munich, Germany**

International Experience

06/2021 – 07/2021	**Università Bocconi** Summer School, Equity & Venture Capital Financing (6 ECTS), GPA 4.0/4.0	**Online**
06/2020 – 07/2020	**HEC Paris** Summer School, Investment Banking & International Finance (7 ECTS), GPA 4.0/4.0	**Online**
10/2017 – 03/2018	**Tohoku University** Exchange Semester, International Program of Liberal Arts (30 ECTS), GPA 4.0/4.0 • Courses about Japanese Language / Culture / Communication & Work Behavior, and Karate • Awardee of *'JASSO (Japan Student Services Organization)'* scholarship	**Sendai, Japan**

PROFESSIONAL EXPERIENCE

01/2022 – approx. 04/2022	**Quantumrock** Quantitative Strategy Research, Project Student • Factor Momentum and Mean Reversion in Multifactor Investing	**Grünwald, Germany**
11/2018 – 08/2021	**BayernLB (Bavarian State Bank)** Credit Service Real Estate & Structured Finance, Working Student • Buyer processing in the area of property development financing; preparation of guarantees, lien releases, in rem rights, and loan coverages; audition of insurance contracts and lease agreements; commissioning of construction progress assessments Business Management Mid Office, Working Student • Assistance for the division's functional and performance analysis; decentralized business continuity management; audit coordination; internal control system; market research; conception of a migration strategy for the internal task controlling to MS Dynamics CRM Project Management Officer for the digitization project *'DEAP'*, Working Student • Preparation and follow-up of committee meetings; organization of project dates and workshops; administrative and technical support for the project team	**Munich, Germany**
03/2018 – 05/2018	**KPMG Germany** Consulting – Data & Trend Analytics, Intern • Derivation, condensation and quantification of trends from weak signals using semantic data analysis and the KPMG Research Cloud	**Munich, Germany**

EXTRACURRICULAR ACTIVITIES

03/2017 – 01/2021 **ACO Charity e.V.** (formerly 'Asia Charity Organization (ACO) e.V.') Munich, Germany
- Non-profit association consisting of approx. 80 members (donations of > 60,000€)
- Development of sustainable educational projects for socially disadvantaged children and teenagers (esp. in Vietnam), youth development of own members

Head of Treasury & Board Member (Internal Affairs), Tenure for 2020
- Successful steering of the association through the COVID pandemic and the accompanying cancellation of previous annual benefit events through alternative sources of financing, digital teaching offers, virtual fundraising events, marketing and special motivation of the members
- Administration of donations and membership fees, handling of payment transactions, bookkeeping and preparation of cash reports
- Co-initiation, project management and active teaching within the framework of 'ACO Tandem' (online English lessons for students of ethnic minorities of the aid project 'Future through Education' in Vietnam)

Team Leader Finance for the event 'Taste of Asia 2018'
- Leadership & coordination of the team members; budgeting & controlling of the other teams
- Planning of the cash register system & implementation of a donation live tracking system

since 10/2016 **TUM School of Management** Munich, Germany
- Ambassador for the faculty and its bachelor program at schools and partner universities at home and abroad
- Buddy for incoming exchange students

FURTHER EDUCATION & CERTIFICATIONS

08/2021 **National Taiwan University** Online
Machine Learning Summer School 2021 Taipei

06/2021 **Chamber of Commerce and Industry for Munich and Upper Bavaria** Munich, Germany
Certified Financial Investment Specialist (open-end funds, §34f Abs. 1 Ziff. 1 GewO)

10/2020 **Bloomberg LP** Online
Bloomberg Market Concepts

04/2020 **University of Helsinki** Online
Elements of AI (2 ECTS)

MOOCs
- Options Trading Strategies in Python (Quantra, 11/2021)
- Python for Trading: Basic (Quantra, 09/2021)
- Automate the Boring Stuff with Python Programming (Udemy, 09/2021)
- LaTeX for Professional Publications (Udemy, 05/2020)
- The Complete Financial Analyst Training & Investing Course (Udemy, 08/2019)

SKILLS & INTERESTS

Programming & Software Engineering
- C, Java (advanced)
- Git & GitHub, Agile Project Management (SCRUM, Jira, Confluence) (basic)

Data Science & Artificial Intelligence
- Python (numpy, pandas, matplotlib, etc.) (advanced), R (basic)
- PyTorch (Lightning) (basic)

Big Data & Databases
- SQL, Datalog, XPath & XQuery, SPARQL (basic)
- MySQL (basic)

Web Development
- Wordpress (basic)

Other
- Blockchain: Solidity (basic)
- Documents: LaTeX (basic)

Business Software
- Microsoft Office (advanced)
- Excel VBA & Power Pivot (basic)
- Bloomberg Terminal & Thomson Reuters (basic)

Languages
- German (native), English (fluent, DAAD C2), French (intermediate), Japanese (basic)

Interests & Hobbies
- Quantitative Finance, Algorithmic Trading, Artificial Intelligence, Virtual Reality, PC Hardware
- Reading (esp. self-improvement, personal finance, Wall Street, technology & science-fiction), Fitness training, Blogging, Playing the guitar, DJing

CV version as of 02/2022.
Testimonials and certificates upon request.