

Caspar Emanuel Fritzen

Arcisstr. 40, Munich, 80799, Germany
+49(0)151 64411 872 | caspar@fritzen.one
04.04.1997 German
linkedin.com/in/caspar-emanuel-fritzen/



EDUCATION

- 2020 - **Technical University of Munich** MSc Technology and Management
2023
- 50 / 50 computer science major and energy markets business specialization
 - thesis – dev. a full-stack web analytics platform for an ecolabel w/ biggest german insurer
 - received the best grade attainable for the master thesis (1.0)
- 2017 - **Technical University of Munich** BSc Technology and Management
2020
- project studies on web-development (PHP, SQL, JS, HTML) and databases
 - completed EIDI (top 10% of class) and PGDP with 2.0 and 2.3 respectively (Java)
 - thesis on statistical analysis for a startup (algorithms implemented in R / Python)
- 2016 - **Technical University of Munich** Studium Naturale/Generale
2017
- semester for orientation and to learn more about potential degrees at TUM
- 2015 - **Bundeswehr Gebirgsjäger FWDL** voluntary army service as a Mountaineer in Mittenwald, Germany
2016
- Completed year with the rank “Hauptgefreiter Gebirgsjäger”
- 2013 - **Ellesmere College** International Baccalaureate (IB) in Ellesmere, Shropshire, UK
2015
- Graduated with 35 IB points, top 3 of the year equivalent to 1.9 (German Abitur grade)

PROGRAMMING EXPERTISE

- Sep 2021- **internship at Playasia in Hong Kong SAR – web / backend development**
Dec 2021
- Web / backend development: Implemented, customized, and deployed an email marketing system using PHP and Laravel.
- Oct 2019- **project studies at ALFASOLUTIONS in Linz, Austria (three-month fulltime)**
Jan 2020
- implementation of a web-based accounting system for a client
 - delivered a fully-fledged internal social and accounting platform
- 2018- **practical course in the foundations of programming (one semester, java)**
2019
- completed an implementation of a basic search engine centred around googles page rank algorithm coded in java
 - strong hands-on experience in coding with algorithms and data structures (search, permutation, list implementations and recursion)

WORK EXPERIENCE

- Oct 2023- **Software Engineer – freelance at Friedl & Company a TUM spinoff company**
now
- Further refinement and buildout of the thesis project: Full stack development of the web analytics platform for an ecolabel with the biggest German insurer, including Stripe payments integration.
- Feb 2022- **junior engineer -part time + remote- at TIDEFI – building a next-gen substrate-based DEX**
now
- working with the BizDev and engineering departments on getting the TIDEFI DEX out of alpha, into main net. focus on developing systems for community incentivisation and building
- Nov 2021 **web-development for Hansons Robotics Hong Kong SAR – SophiaDAO NFT marketplace**
- short-term sprint-based web development sessions to create a website + marketplace for the SophiaDAO intended for the sale of hundreds of NFTs created by the humanoid robot “Sophia”
- 2021- **software engineer + technical advisor for loyal – app / web / infrastructure development**
now
- consultation for cloud architecture, native iOS and Android apps, backend / dashboard for clients (see loyal-app.de for reference) - loyal systems innovation GmbH Hamburg
- Oct 2018 **internship at Aerius GmbH HVAC systems for marine vessels in Saint Nazaire, France**
- planning and installing of hvac systems in multiple cruise vessels by royal caribbean cruises ltd. at the Saint Nazaire port in France

SKILLS & INTERESTS

- language German – C2, English – C2, Latin – Latium, French – A1, Italian – A1
- tech Python, Django, R, Docker, SQL, Java, PHP, Laravel, JS, NodeJS, NextJS, GraphQL, AWS, GCP, Git
- interest LLMs, blockchain, DAG, renewable energy, architecture, economics, EVs, energy storage, ML, tennis, mountaineering, mountain-biking, swimming, fitness