

EDUCATION

Imperial College London, UK

M.Sc. Computing Science, Distinction

- 09/2017 – 09/2018
- Intensive 12 months practical M.Sc. program in Computer Science
 - *Notable modules:* Software Engineering (75%), Machine Learning (76%), Network and Web Security (73%), Logic and AI Programming (75%), Algorithms, Databases
 - *Thesis:* «A Multi-Agent Simulation Framework and Analysis of the IOTA Tangle» (final mark 83%, *research paper* accepted at *Symposium on Cryptocurrency Analysis 2018*)
 - *Engineering group project:* Image Recognition using Deep Neural Networks with UK's largest online grocery retailer (81%) – technologies include Python, TensorFlow, Keras, flask

Maastricht University, NL

B.Sc. International Business, Cum Laude

- 09/2013 – 07/2016
- GPA: 8.8 out of 10 (top 3%), Finance major, *Beta Gamma Sigma* international honour society

The Hong Kong University of Science and Technology

Exchange semester as part of B.Sc.

- 09/2015 – 12/2015
- Investment and Portfolio Analysis, Negotiations, Computing, Chinese Economic History

Burgau-Gymnasium, Düren, GER

Higher Education Entrance Qualification

- 09/2004 – 06/2013
- Graduated *first in class* with a GPA of 1.0 (equivalent to A*A*A*A*)

PROFESSIONAL EXPERIENCE

Lloyds Banking Group, London

Data and Software Engineer

- 04/2019 – present
- Currently building a big data streaming and storage platform on Google Cloud Platform
 - Previously Data and Software Engineer for Machine Learning applications – developing software and data pipelines for large-scale data sets; delivering training for Data Science grads
 - *Certifications:* Google Cloud Certified – *Associate Cloud Engineer* (02/2020), Udacity Nanodegree – *Machine Learning Engineer* (06/2020)
 - *Technologies:* Python, Protobuf, Jenkins, Docker, Terraform, Beam, PySpark, SQL, GCP products such as Pub/Sub, Dataflow, BigQuery, Spanner, Data Catalog

IOTA Foundation, London

Research and Development – M.Sc. Thesis

- 04/2018 – 09/2018
- *Simulation framework* developed in Python, *research* published – awarded Distinction
 - Collaborated with researchers of IOTA Foundation in Berlin and Tel Aviv in cooperation with Imperial College Centre for Cryptocurrency Research and Engineering and Outlier Ventures

GP Bullhound, Berlin

Tech Investment Banking – Intern

- 03/2017 – 07/2017
- Direct collaboration with analysts in London, Paris and San Francisco – received return offer
 - Supported senior deal team with regard to investment documents, financial models, valuations and offer analysis, management of data rooms, performing research and analysis

SevenVentures / ProSiebenSat.1 Media SE, Munich

Growth Investments – Intern

- 09/2016 – 12/2016
- Worked for the Venture Capital (media investment) unit of the ProSiebenSat.1 group
 - Prepared investment proposals and other documents for the investment committee, screened B2C-markets/potential targets, evaluated business plans and financial models, due diligence

SKILLS & INTERESTS

Technologies

- GCP, Python, PyData, PySpark, PyCharm, SQL, Git, Linux, macOS (*advanced*)
- Jenkins, Docker, Terraform, Hadoop, Beam, AWS Sagemaker, Atlassian stack (*basic*)

Languages

- German (*native*), English (*fluent*)

Interests and travels

- Football, gym, electronic music
- Exploring developing economies: China, Taiwan, Vietnam and the Philippines 09/2015 – 01/2016; Cuba 07/2016; Myanmar, Laos and Thailand 01/2017 – 02/2017; Mexico, Belize and Colombia 10/2018 – 12/2018