

## 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 &amp; 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