

## 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, JS

### 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

### Machine Learning Data Engineer

- 04/2019 – present
- Data Engineer/Python Software Engineer for Data Science and Machine Learning applications
  - Developing software and data pipelines for large-scale financial data sets; Lead Engineer model monitoring Python package; Lead DE Personal Loans project – technologies include Python, PySpark, Hadoop, SQL, Teradata, Jenkins, Git

### 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

- Python, PyData, PySpark, PyCharm, SQL, Git, Linux, Windows, Excel (advanced)
- C++, Hadoop, Hive, Teradata, Jenkins, Docker, Atlassian stack, LaTeX (basic)

### Languages

- German (native), English (fluent)

### Interests and travels

- Football, TechCrunch
- 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