

KAROLIS SPUKAS

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EDUCATION

University of Cambridge

MPhil Advanced Computer Science (2021 – 2022)

The University of Edinburgh

BSc Computer Science (2017 – 2021) (First Class)

- Undergraduate dissertation: “Practical Quantum Algorithms for Order-Finding Problem” supervised by Dr. Petros Wallden

The University of Hong Kong

BEng Computer Science (Exchange Semester 2019)

WORK EXPERIENCE

Bloomberg L.P.

Software Engineer Intern (Summer 2021)

- Used Apache Arrow and Apache Avro (C++) to improve serialization times of custom data structure

Software Engineer Intern (Summer 2020)

- Developed troubleshooting tools to the financial instruments cache services (C++, Python, TS)

JPMorgan Chase & Co.

Software Engineer Intern (Summer 2019)

- Big Data Engineering team member, worked with Apache Spark (Python), Tableau, development of a Continuous Integration and Delivery (CI/CD) pipeline
- Adopted Agile, TDD and SOLID principles

KAL

Software Engineer Intern (July 2018 – April 2019)

- Worked with MasterCard to develop a software prototype of a new generation ATM (C#)
- Worked with Hardware Security Modules (HSM) and cryptography, gained knowledge of industry's cryptographic standards

PERSONAL PROJECTS

Computer Vision project (2018-2019)

- Developed a tiredness detection prototype using Computer Vision (Python)
- Facial features detection using Convolutional Neural Networks, tracking using Lukas-Kanade tracker and live 3D head pose estimation with a single camera

SCHOLARSHIPS AND AWARDS

Vilnius Lyceum Alumni (LA) Organization - Scholarship to partly cover Master's degree fees

Baltic-American Freedom Foundation (BAFF) - Scholarship for CIEE Global Entrepreneurship programme