

## Experiences & Projects

### Incoming Jump Trading LLC Software Engineer Intern (Core Development) – 06.2020

### HUAWEI Technologies Software Engineer Wintern (Central Software Institute, 2012 Labs) – 12. 2019 - 01.2020

- Optimise LiteOS kernel in terms of performance, latency and memory allocation algorithms
- Develop parallel execution infrastructure and dynamic loading as optional kernel extensions
- Responsible for writing technical documents of kernel APIs and usage samples

### Barclays Investment Bank Technical Developer Summer Intern (CoreOps Engineering) – 06. 2019 - 08. 2019

- Learned about Barclays DevOps processes and procedures, algorithmic trading techniques and gained general understanding of investment banking structure
- Developed from scratch internal tools with Golang and Angular to provide operational services and enhance efficiency
- Deployed and tested applications / services on both internal bank platforms and AWS ECS / EC2 / Lambda / S3

### UCL Centre for Research on Evolution, Search and Testing – 05.2019 -

- Researched on secure languages, type systems and ways to quantify information flows
- Engineered prototype language models and experimented on them to validate presumptions
- Collaborated with David Kelly and Earl T. Barr (Professor) to deliver prototype language models on time with high quality

### JP Morgan Spring into Technology – 04. 2019 - 04. 2019

- Explored JP Morgan London office and shadowed engineers to learn about software development at JP Morgan.
- Competed in coding challenges hosted internally for spring tech Interns and team placed 2nd in one of the challenges.

### Facebook Hack-a-project Trainee – 02. 2019 - 03. 2019

- Explored Facebook London and learnt how its different product teams work together to provide services for its users.
- Provided one of the most efficient solutions to coding challenge problems and illustrated solutions to all attendees.
- Prototyped a React.js web app with Facebook mentors aiming to bring Uni societies and student communities together.

### Olympiad in Informatics (OI) and ACM ICPC – 2009 -

- 10 years of continuous participation in competitive programming contests
- Learn to implement various algorithms, data structures, maths skills, std libraries and tricks used for optimisation.

Honourable Mention at North-Western European Programming Contest 2018, 2019

Ranked No. 21 out of 200 teams in UK Ireland Programming Contest 2018

National Olympiad in Informatics 2015, 2016 (Advanced Group) 2nd Prize

Extra : High School Informatics Contest Group Mentor and Online Judge Co-manager

- Write and peer-review problems, standard solutions and judging scripts (Python and Shell) used for internal school OI contests with participants of around 100 students.

### Global Leader Education (Beijing) Developer and Computer Science lecturer – 9.2017 - 9.2018

- Built internal GUI tools used for chairing Model United Nations conferences with C++ and wxWidgets, which increases conference chairing efficiency by around 50%.
- Lectured 70 students in classes of 7 - 10 on Artificial Intelligence and Python basics (optional module) and Computing and C basics for 2 months. Received 4.8 / 5 for teaching score assessed by students.

## Education

University College London (London) – BSc in Computer Science, 2018 - 2021 (1st Year Avg. 82.74)

University College London (London) – Foundation in Science and Engineering, 2017 - 2018, 90% with UCL Scholarship

No. 2 High School of Eastern China Normal University (Shanghai) – Senior high school, 2015 - 2017

## Skills

Programming Languages :

Haskell, Scala(learning), R(learning)

- with 10,000+ lines of code or actual project experiences :

C++ / C, Java, Python, Golang, Javascript, Pascal / Delphi

Tools :

SQL, Redis, MongoDB, Git, HTML/CSS, Angular, React.js