

## EDUCATION

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### UNIVERSITY OF SURREY

*M.Eng. Electrical & Electronic Engineering, First Class Honours*

Surrey, UK

2015 – 2019

Dissertation title: “Utilising Machine Learning and Deep Convolutional Neural Networks for Aid in Nutrition Study”

- Selected to give the 2019 Graduation Speech, addressing over 3,000 people
- Graduated Top 1% of class, achieving First Class Honours in all modules
- Awarded the Santander Merit Scholarship Grant

### TEXAS TECHNICAL UNIVERSITY

*Exchange Year*

Lubbock, Texas, USA

2016 – 2017

- Completed Advanced modules achieving top of class scores in Advanced Engineering Statistics, and Signal Processing

## BLOCKCHAIN/CRYPTOCURRENCY EXPERIENCE

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- Nov 2022 - Became CTO of a crypto startup
- Mar 2022 - Began development of my first DAO.
- Dec 2021 - Currently going down the rabbit hole that is MEV (writing smart contracts, interacting with DeFi protocols programmatically, learning the intricacies of gas consumption, etc.)
- Jul 2021 - Conducted deep dives into more technical topics (Solidity, high frequency trading, DeFi hacks that occurred, market making).
- Jun 2021 - Developed my first DApp to create a blockchain based certification system using NFTs.
- Mar 2021 - Joined the blockchain group at one of the world’s largest oil supermajors. Exploring how excess energy could be used to mine crypto.
- Feb 2021 - Developed a profitable funnel of rotating capital from launchpad projects to staking pools.
- Nov 2020 - First exposure to liquidity aggregators (1inch, Orion Protocol)
- Aug 2020 - Actively participated in DeFi summer. Learnt about impermanent loss, liquidity pools, staking contracts, AMMs, etc.
- Jul 2020 - After a phenomenal run, my entire account got liquidated after some extremely poor risk management. This was a tough period but a great lesson.
- Apr 2020 - Opened my first futures account. Post the Covid crash and with the Bitcoin halving approaching, I heavily levered up.
- Jul 2019 - Finished university and started going heavy into crypto with my salary (mostly blue-chip alts).
- Nov 2017 - Bought my first token (Ethereum).

## PROFESSIONAL EXPERIENCE

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### THE GOODHUMAN COMPANY

*CTO*

Guildford, UK

November 2022 – Present

Goodhuman is a crypto startup developing a blockchain enabled solution to incentivise good behaviour with a fair rewards mechanism. Currently operating in stealth mode.

- Laying out the technical roadmap from a big picture perspective, whilst also developing architectural solutions on a more granular level to ensure key milestones can be met and possible avenues to achieve this are clear
- Building out a team of laser focussed developers to propel the solution forward at pace
- Developing the core tokenomics to ensure a sustainable ecosystem can be constructed around the token

### SIX DIGITAL EXCHANGE (SDX)

*Senior Blockchain Engineer*

London, UK / Zurich, Switzerland

July 2022 - Present

SDX is the crypto offshoot of the Swiss Stock Exchange. Currently building institutional staking solutions using a multitude of technologies from Golang to Solidity, from Kubernetes to Hardhat.

- Developing technical blockchain solutions from ideation to production (currently implementing MEV based enhancements)
- SME for public blockchains across the entire company acting as an advisor when needed
- Engaging with potential clients to win new business and attend conferences/summits globally to stay up to date with the latest innovations in the space

### KUBRICK GROUP

*Associate Principal Consultant – Blockchain*

London/Aberdeen, UK

Nov 2021- July 2022

Became youngest Associate Principal Consultant in Kubrick’s history

- Spearheaded Kubrick’s Blockchain initiative (e.g. researching current market state, developing the roadmap, etc.)
- Moved concepts from pilot stage to final development whilst managing relationships with stakeholders
- Lead diverse squads of consultants on short term client engagements and coaching junior colleagues

## **Data Science Consultant**

Jul 2019 – Nov 2021

Worked with multiple FTSE 100 blue-chip clients in the Financial Services and Oil & Gas industries. Using a combination of Python, SQL, and various cloud technologies to build new and innovative solutions:

- Reduced downtime of an offshore oil platform by 15% after implementing a novel data system (*Royal Dutch Shell*)
- Built and designed low-latency data ingestion pipelines for commodity traders, increasing speeds 3x (*signed an NDA*)
- Developed a prize-winning solution for evaluating candidates to better assess role suitability and streamline the recruitment funnel whilst boosting diversity (*Kubrick Group*)

## **UNIVERSITY OF SURREY EXCHANGE OFFICE**

Guildford, UK

### **Global Engagement Advisor**

Sep 2018 – Mar 2019

- Organised events for incoming students from partner universities to ensure they had a smooth transition and enjoyed their time with us, boosting average overall satisfaction scores from 7.4 to 8.6/10 compared to the previous year

## **REALEYES – EMOTIONAL INTELLIGENCE**

Budapest, Hungary

Multi award-winning computer vision and emotion AI startup

Jun 2018 – Sep 2018

### **Data Scientist**

- Ensured successful project execution by liaising with stakeholders across multiple teams
- Awarded the Innovation Award for actively contributing to a new method of tracking the attention of study participants
- Produced visualisations to communicate my recommendations effectively and in a concise manner to both technical/non-technical stakeholders alike

## **UNIVERSITY OF SURREY LEADERSHIP POSITIONS**

Surrey, UK

### **Department Representative**

Oct 2017 – Mar 2018

- Worked within the Widening Participation Department to promote and encourage higher education to young students

### **Swimming & Water Polo Team Captain**

Sep 2015 – Mar 2016

- Established team strategies, represented the team at events, and developed extensively as an athlete

## **PERSONAL INFORMATION**

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**Languages:** English (Native), Hungarian (Native), French (Beginner), currently learning Arabic

**Technical:**

- Python, Typescript, C/C++, VBA, SQL,
- Kubernetes, Docker, Helm, CI/CD, DevOps, Terraform, Cloud technologies (mostly Azure)
- Data Visualisation (Power BI, Tableau)
- Machine Learning/Deep Learning/Computer Vision

**Blockchain:**

- Solidity, Brownie framework, NFT technologies
- Tools used: Infura, IPFS, Pinata, Moralis, OpenZeppelin, Chainlink, Ganache
- Experience deploying to Ethereum, BSC, and Harmony

**Volunteering:** Ran the Budapest Marathon raising over £1,300 for the Mental Health Foundation and a Hungarian charity for terminally ill children

Volunteer at the Royal Society for Blind Children

Board member of Kubrick ESG, responsible for community outreach initiatives

**Interests:** Exploring different cultures (completed a 3-week trek across the Himalayas in India and Nepal)  
Playing football (used to play competitively in the top league of Hungary)  
Researching start-ups and new developments in innovative sectors (e.g. blockchain, nanotechnology, Internet of Things, renewable energy, etc.)