Jack Kleeman

Email: jackkleeman+cv@gmail.com
Born: July 20, 1997
Nationality: British

Education

2010-2015 The Perse School, Cambridge

2015- St Catharine's College, Cambridge - Economics
Part I: Class I, ranked 7th/151
Part IIA: Class I, ranked 20th/151
In my second year I completed 'Probabilistic Machine Learning', an Engineering module, as well as my courses in Economics and received an A grade.

Skills

Programming and Software

- Intermediate skill and experience in Javascript, Go, and Python.
- Understanding of cryptographic primitives and their use for privacy and security.
- Comprehension and some experience in Java and R.
- Experience working on the IBM Hyperledger blockchain platform to create applications.
- Proficient in the use of Stata and R Studio for statistical work, and Azure ML for machine learning work.
- Significant experience in graphic design using Photoshop, Illustrator and Gimp.

Management

- Extensive experience in early stage fund-raising including pitching.
- Comfortable managing technical teams and working with interns.
- Experience interviewing candidates for technical roles.

Honours & Awards

2015 Won the national finals of the Bank of England Target 2.0 competition, beating 287 other teams.

2016 Won the 2016 UCL Data Science Student Challenge Hackathon. In a team of four we completed a project in Python and Javascript that I proposed, advising London-based users locations in which to look for apartments. For this task I worked both as project manager and statistician using Excel and Stata.

2016 & 17 Twice awarded the Robert Skerne Scholarship by St. Catharine's College.

2017 Awarded the Sayers Prize in Economics by St. Catharine's College in light of my second year exam performance.

2018 First place in Hack Cambridge 2018 for 'Bad Flamingo', a machine learning project.

Work Experience & Career

2015 Four weeks at the Bank of England in the Monetary Analysis division, on the costs and prices team. I worked on a statistical project in R, investigating Phillips curves using UK regional data.

2016 Six further weeks at the Bank of England, in the Markets directorate, with the Financial Risk Management division. I worked primarily on collateral haircuts.

2016-17 Six months at Everledger as a developer, working on blockchain applications in Go, as well as on Android apps and Python web applications.

2016-17 Part time work as a researcher with the Cambridge Centre for Alternative Finance. My work centered around bitcoin and the blockchain.

2016-17 Ten months as a JavaScript & Go developer for Duo Money, working on a client-side cryptography application allowing for OpenBazaar operation in the browser. In doing so, I have built distributed backend architectures and worked with peer to peer networking. Eventually I progressed to a CTO role and was integral to fund-raising and hiring efforts.

2017 Two months as an Undergraduate Research Fellow at Caltech in the Social and Information Sciences Laboratory, studying algorithmic game theory. I completed a project on search costs in decentralised markets.

2017 Five weeks as a Backend Engineering intern for Monzo, building fraud detection tools using Go microservices and Cassandra, as well as front end work in React. The tools I built are used daily by the fraud team.

Recent Projects

2016 aNonreport, a blockchain protocol to anonymously report information to humans rights organisations. Designed with end-to-end encryption, decentralisation, and total transparency. Began in 36 hours at HackUPC 2016.

2016 LiveLondon, an app that advises you on the best place to rent in London, using data science. First place in the 2016 Microsoft Data Science Student Challenge.

2016-17 OpenBazaar, an open-source protocol for a peer-to-peer decentralised marketplace, using bitcoin, IPFS, and soon Tor. I contributed with Go development and occasionally changes to the protocol itself.

2018 Bad Flamingo, a game which asks humans to draw images that other humans can recognise, but a neural network can't. This provides an adversarial training set. First place in Hack Cambridge 2018.