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Faure Hu
**King's College London BSc. Computer Science with
Management**

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EXPERTISE Full Stack Development, Hybrid Mobile Development, Machine Learning, Blockchain, Freelancing, Business Strategy
TECH STACK 5yrs Javascript / React / Node.js, 3yrs Python and Ruby on Rails, Solidity, Go, Docker, Jenkins, UNIX

SELECTED CLASSES Business Strategy, Agents and Multi-Agent Systems, Pattern Recognition, Human Resource Management, Artificial Intelligence, Operative Systems and Concurrency, Economics, Computer Science Logic

Work Experience

Summer 2017	Deliveroo	Software Engineer Intern	London, U.K.
	<ul style="list-style-type: none">Joined the logistics team to provide the service monitoring team tools to track aspects of the Deliveroo service.Implemented Rider trackers to automatically watch over their behaviour, triggering alerts if they acted against common sense and so cut down the reports of incomplete orders by 30%.Built a map to show the path taken by the rider with time control enabling better order monitoring and debugging.		
November 2016 June 2017	Finimize	Placement Year Junior	London, U.K.
	<ul style="list-style-type: none">Had active participation in assessing value of the minimum viable product, effectively suggesting features with consideration for benefits and downsides.Constantly questioned the company's business and go to market strategy, proposed growth tactics and metrics to monitor.Launched the alpha version of the React/Redux web application and then iterated with continuous integration using Jenkins, this became the company's main service.Contributed significantly to the design of the architecture of the distribution of our microservices and databases.		
Summer 2016	Sandtable	Software Engineer Intern	London, U.K.
	<ul style="list-style-type: none">Built a Python microservice that managed a queue of tasks. Other engineers push tasks into the queue and the microservice runs the jobs when prompted. The interface was available as a Slack button or a RESTful API.Built a Python microservice that relayed notifications between microservices, effectively centralizing the effort and offering different channels to communicate with the end-users (Slack or Email).		

Relevant Projects

2017/18	Dissertation: researching heuristics for lightning network nodes to open new channels with optimal down payment to make a stable graph without reliance in big hubs. I'm using graph and game theory to discover optimal network flows and vulnerabilities.
2017	Freelance: an iOS app Deliveroo clone with GraphQL backend written with React Native
2016	Personal project: an AWS serverless function that tracks changes in data logging applications and stores it in Google Sheets. Written in Go.
2016	Hackathon: a barebones microblogging application on the Florincoin blockchain. Built with decentralization in mind to be censorship resistant. Made it to the final round of CambridgeHack 2016.
2015	Personal project: a recommendation engine built on an open movie ratings dataset which can predict which movie a user should watch next. Built with R and wrote a walkthrough on my blog.

Leadership and Awards

Current	King's College Business Club Associate Responsible of organising events to connect fellow university students to industry professionals.
Fall 2016	Computer Science with Management Award Received recognition by the faculty for top academic performance of 2015 – 2016.
Spring 2016	Winner of the KCL Apprentice Challenge Led a team of 4 to win a prestigious university competition consisting of case studies and public presentations.
2015 – 2016	Year long coursework team Project Manager With Royal Brompton Hospital as a client, formed a set of requirements for a specific problem, communicated expectations to the team of developers, formed a vision of a solution and delivered an application with success.