

# Derek Sorensen

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## EDUCATION

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<b>University of Cambridge</b> <i>PhD in Computer Science</i>	Cambridge, UK 2019 – Present
<b>University of Oxford</b> <i>MSc in Mathematics and Foundations of Computer Science</i>	Oxford, UK 2016 – 2017
<b>Brigham Young University</b> <i>BSc in Mathematics</i>	Provo, Utah, USA 2011 – 2016
<b>Higher School of Economics</b> <i>Exchange Year, Mathematics</i>	Moscow, Russia 2015 – 2016

## EXPERIENCE

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<b>Software Engineer</b> <i>Protocol Labs</i>	Oct 2022 – Feb 2023 <i>Remote</i>
<ul style="list-style-type: none"><li>Contributor to Lurk, a Turing complete dialect of LISP for zero-knowledge proofs.</li></ul>	
<b>Sustainability Lead</b> <i>Tezos Foundation</i>	May 2021 – Aug 2022 <i>London, UK</i>
<ul style="list-style-type: none"><li>Lead business development for sustainability on the Tezos blockchain, including tokenized carbon offsets, regenerative finance (ReFi), and sustainability-oriented art marketplaces.</li><li>Member of the Technical Advisory Committee, the funding body for the Tezos Foundation</li></ul>	
<b>Formal Verification Lead</b> <i>Clearmatics</i>	Oct 2019 – Nov 2020 <i>London, UK</i>
<ul style="list-style-type: none"><li>Lead the company's formal verification agenda for Ethereum smart contracts.</li><li>Wrote seminar series to train a team of ten engineers in mathematics.</li></ul>	
<b>Consultant (Cryptocurrency)</b> <i>Digital Asset</i>	Jul 2019 – Sep 2019 <i>New York, New York</i>
<ul style="list-style-type: none"><li>Invented and built a functional cryptocurrency in DAML on a team of three individuals.</li><li>Wrote a paper with two teammates outlining the industry-leading privacy features of the novel cryptocurrency.</li><li>Held twelve regular meetings with company executives and gave a live tutorial of the novel cryptocurrency.</li></ul>	
<b>Research Mathematician</b> <i>Pyroflex Corporation</i>	Mar 2018 – Jun 2019 <i>Provo, Utah, USA</i>
<ul style="list-style-type: none"><li>Created a cryptocurrency that is 7,000 times faster than Bitcoin, and processes 50% more transactions than Visa.</li><li>Coauthored, presented, and promoted three peer-reviewed, disruptive papers on blockchain scalability.</li><li>Consulted as chief mathematician on two major industry projects involving cryptocurrency.</li></ul>	

## EXTRACURRICULARS

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<b>Cambridge iTeams Consulting</b>	Jan 2021 – Mar 2021
<ul style="list-style-type: none"><li>Consulted on a diverse team of six students to bring a blockchain-based IP licensing system to market.</li><li>Researched, contacted, and interviewed over twenty executives in Telecoms and IoT.</li><li>Held six regular calls with the inventors and gave two in-depth presentations.</li></ul>	
<b>Oxford Fintech Programme</b> <i>Saïd Business School</i>	Jan 2021 – Mar 2021
<ul style="list-style-type: none"><li>Six-week, intensive course by industry leaders and academics on the latest developments in Fintech.</li><li>Developed a FinTech business model on a diverse team of seven to address perceived market opportunities.</li></ul>	

## PROGRAMMING LANGUAGES

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Coq, CameLIGO, DAML, K Framework

## ADDITIONAL SKILLS

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**Spoken Languages:** English (native), Spanish (fluent), Russian (intermediate), French (beginner)

**Additional Interests:** Alpine skiing, existentialist philosophy, backpacking, mountaineering, English choral music