

# SAMUEL LLOYD-LINDHOLM

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## Education

<b>Queen Mary, University of London</b> <i>BSc in Theoretical Physics (2.1)</i>	<b>2002 – 2005</b> <i>London, UK</i>
<b>Cranfield University</b> <i>MSc Astronautics and Space Engineering (No award)</i>	<b>2006 – 2007</b> <i>Cranfield, UK</i>
<b>MITx (Remote)</b> <i>Data Analysis in Social Science (Certificate)</i>	<b>2019</b> <i>Remote</i>
<b>Imperial College (Remote)</b> <i>Mathematics for Machine Learning (Certificate)</i>	<b>2018</b> <i>Remote</i>

## Experience

<b>Syndicate</b> <i>Founding Member &amp; Partner</i> <ul style="list-style-type: none"><li>Leading platform development &amp; design process of a distributed low latency platform for automated trading.</li><li>Software development of key systems including machine learning system integration, protocol design, low latency &amp; highly parallel systems and critical trading services. Documentation and maintenance of our software stack.</li><li>Strategic business management including administrative, financial, legal and cross-jurisdictional matters.</li><li>Mentoring of junior team members.</li></ul>	<b>2014 – 2021</b> <i>London, UK</i>
<b>OpenXO</b> <i>Platform Lead &amp; Employee Nr.1</i> <ul style="list-style-type: none"><li>In charge of platform development.</li><li>Design, architecture and hands on work building the core platform.</li></ul>	<b>2013 – 2014</b> <i>London, UK</i>
<b>Betfair</b> <i>Platform Engineer</i> <ul style="list-style-type: none"><li>Part of the core exchange engineering team tasked with developing and maintaining the betting exchange platform.</li><li>Responsible for supporting business critical components also during out of hours.</li></ul>	<b>2010 – 2013</b> <i>London, UK</i>
<b>ITT-Visual Information Solutions</b> <i>Consultant &amp; Developer</i> <ul style="list-style-type: none"><li>Consulting and developing custom solutions in image processing for defence, scientific, environmental and medical applications.</li><li>Sales work as part of consultancy process.</li><li>Presenting seminars on technical topics and running workshops on programming techniques.</li></ul>	<b>2007 – 2010</b> <i>Bracknell, UK</i>

## Projects

<b>Esports market making bot</b>   <i>Golang, Python, SQL, NodeJS, AWS</i> <ul style="list-style-type: none"><li>Web scraping and API integration to collect live data of esports events and market prices.</li><li>Research into automated market making.</li><li>Central event storage system in PostgreSQL.</li><li>System deployment on AWS including DB, service nodes, front end console and downtime warning elements.</li><li>Basic market making strategy analysis using Python.</li><li>Golang core service elements tasked with making real money trading decisions.</li></ul>	<b>2021</b>
<b>Crypto currency feed</b>   <i>Golang, NodeJS, SQL, HTML, AWS</i> <ul style="list-style-type: none"><li>Created a Crypto feed aggregator that consumed many sources of Crypto price &amp; trade volume data.</li><li>Data was stored in a PostgreSQL database and queryable through the platform via exposed API calls.</li><li>Basic Python analysis of the price/vol data.</li></ul>	<b>2019</b>
<b>Event Mapping system</b>   <i>Golang, VueJs, SQL, AWS</i> <ul style="list-style-type: none"><li>Mapping of sports events from disparate sources into an internal representation.</li><li>Storage in PostgreSQL database.</li><li>Front end work for interacting with the data.</li></ul>	<b>2015</b>

## Technical Skills

**Languages:** Golang, Python, Java, SQL, JS, HTML

**Technologies/Frameworks:** Unix, AWS, Git/hub, VIM, LaTeX