

EDUCATION	<b>University of Chicago</b> , Chicago, IL <i>BS, Computer Science   Specialization: Data Science</i> Scholarships: <i>University Scholar</i> ◊ <i>Dean's Scholar</i> ◊ <i>National Merit Scholar</i> Relevant Coursework: <i>Software Construction, Data Science for CS, Cryptocurrencies, Algorithms</i>	<b>June 2020</b> SAT: 1550/1600
PROFESSIONAL EXPERIENCE	<b>Virtru</b> , Washington, DC <i>Senior Software Engineer I</i> <ul style="list-style-type: none"> <li>Created new back-end events API using websockets, reducing extraneous client network requests by 85%. <i>Socket.io, Node.js</i></li> </ul> <i>Software Engineer II</i>	<b>May 2022 – present</b>  <b>May 2020 – May 2022</b>  <ul style="list-style-type: none"> <li>Migrated front-end Control Center app to Kubernetes, speeding up build and deployment time by 500%. <i>Koa.js, K8s</i></li> <li>Transitioned custom component library to one based on Ant Design, increasing number of available components by 175%. <i>antd, React.js</i></li> <li>Worked on data visualization work inspired by previous efforts like Audit Map. <i>React.js</i></li> </ul>
	<i>Software Engineering Intern</i> <ul style="list-style-type: none"> <li>Added new components and fixed bugs in Control Center application. <i>React.js, Node.js</i></li> </ul>	<b>Jun 2019 – Aug 2019</b>
AWARDS	<b>1st place (\$15k)</b> – Virtru Privacy Engineering Challenge ( <b>Audit Map</b> project) <a href="https://www.virtru.com/blog/privacy-engineering-challenge-winner-2019/">https://www.virtru.com/blog/privacy-engineering-challenge-winner-2019/</a> <b>National Merit Scholar</b> , Dean's Scholar, University Scholar	<b>Nov 2019</b>  <b>2014 – 2020</b>
PROJECTS	<b>forcepu.sh</b> A momentum trading strategy for bitcoin using <b>hyperdrive</b> and AutoML that executes trades in production every day and reports metrics as compared to the benchmark "buy and hold" strategy. <a href="https://forcepu.sh">https://forcepu.sh</a> <b>hyperdrive</b> (package published on PyPi)	<b>2021 – present</b>  <i>React.js &amp; Python</i>  <b>2020 – present</b>  An algorithmic trading library to store market data, create trading strategies using machine learning, test strategies against historical data, and execute orders. <a href="https://github.com/suchak1/hyperdrive">https://github.com/suchak1/hyperdrive</a> <b>Audit Map</b>
	1st place (\$15,000 cash prize) winning entry for Virtru Privacy Engineering Challenge Enables tracking and retroactive revocation of access to encrypted files remotely from map view. <a href="https://github.com/suchak1/audit_map">https://github.com/suchak1/audit_map</a>	<b>2019</b> <i>React.js, Mapbox</i>
PROGRAMMING EXPERIENCE	<i>Languages: Python, React.js, Node.js, Umi.js, Bash, Java, Racket, C++, C, LaTeX</i> <i>Tools: Cloud [AWS], CI/CD [Buildkite, Github Actions], Containerization [Docker, Kubernetes]</i>	
	<b>Note:</b> All links are clickable on PDF.	