

EDUCATION	<p>University of Chicago, Chicago, IL June 2020</p> <p>BS, Computer Science Specialization: Data Science SAT: 1550/1600</p> <p>Scholarships: <i>University Scholar</i> ◊ <i>Dean's Scholar</i> ◊ <i>National Merit Scholar</i></p> <p>Relevant Coursework: <i>Software Construction, Data Science for CS, Cryptocurrencies, Algorithms</i></p>
PROFESSIONAL EXPERIENCE	<p>Virtru, Washington, DC May 2020 – present</p> <ul style="list-style-type: none"> Moved Control Center project to Kubernetes, speeding up build and deployment time 5x. <i>Koa.js, K8s</i> Worked on data visualization work inspired by previous efforts like Audit Map. <i>React.js</i> <p><i>Software Engineering Intern</i> Jun 2019 – Aug 2019</p> <ul style="list-style-type: none"> Added new components and fixed bugs in front-end Dashboard project. <i>React.js, Node.js</i> Wrote scripts to automate retries of tests and fetch parameters from AWS SSM. <i>Bash</i> <p>Chicago Transit Authority, Chicago, IL Sep 2019 – Apr 2020</p> <ul style="list-style-type: none"> Created a dynamic, color-coded scatter plot of rail stations v.s. arrival times, using color as a function of train punctuality. <i>Vue.js & Python, plotly</i> Generated automatic rail observations based on database query results. <i>SQL, Redshift</i>
AWARDS	<p>1st place (\$15k) – Virtru Privacy Engineering Challenge (Audit Map project) Nov 2019 https://www.virtru.com/blog/privacy-engineering-challenge-winner-2019/</p> <p>National Merit Scholar, Dean's Scholar, University Scholar 2014 – 2020</p>
PROJECTS	<p><u>forcepu.sh</u> 2021 – present</p> <p>A successful momentum trading strategy for bitcoin using hyperdrive and AutoML that trades in production every day.</p> <p>https://forcepu.sh <i>React.js & Python</i></p> <p><u>hyperdrive</u> (published on PyPi) 2020 – present</p> <p>A package featuring tools to gather stock and crypto OHLCV / candlestick data and test market strategies.</p> <p>https://github.com/suchak1/hyperdrive <i>Python</i></p> <p><u>Audit Map</u> 2019</p> <p>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. https://github.com/suchak1/audit_map <i>React.js, Mapbox</i></p>
PROGRAMMING EXPERIENCE	<p><i>Languages:</i> Python, React.js, Node.js, Umi.js, Bash, Java, Racket, C++, C, \LaTeX</p> <p><i>Tools:</i> Cloud [AWS], CI/CD [Buildkite, Github Actions], Containerization [Docker, Kubernetes]</p> <p>Note: All links are clickable on PDF.</p>