

EDUCATION	University of Chicago , Chicago, IL <i>BS, Computer Science Specialization: Data Science</i> Scholarships: <i>University Scholar</i> \diamond <i>Dean's Scholar</i> \diamond <i>National Merit Scholar</i> Relevant Coursework: <i>Software Construction, Data Science for CS, Cryptocurrencies, Algorithms</i>	June 2020 SAT: 1550/1600
PROFESSIONAL EXPERIENCE	Virtru , Washington, DC <i>Software Engineer II</i>	May 2020 – present
	<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> 	
	<i>Software Engineering Intern</i>	Jun 2019 – Aug 2019
	<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> 	
	Chicago Transit Authority , Chicago, IL <i>Data Science Intern</i>	Sep 2019 – Apr 2020
	<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	1st place (\$15k) – Virtru Privacy Engineering Challenge (Audit Map project) https://www.virtru.com/blog/privacy-engineering-challenge-winner-2019/	Nov 2019
	National Merit Scholar , Dean's Scholar, University Scholar	2014 – 2020
PROJECTS	<u>forcepu.sh</u>	2021 – present
	A momentum trading strategy for bitcoin using hyperdrive and AutoML that executes trades in production every day and reports metrics as compared to the benchmark "buy and hold" strategy. https://forcepu.sh	<i>React.js & Python</i>
	<u>hyperdrive</u> (package published on PyPi)	2020 – present
	An algorithmic trading library to store market data, create trading strategies using machine learning, test strategies against historical data, and execute orders. https://github.com/suchak1/hyperdrive	<i>Python</i>
	<u>Audit Map</u>	2019
	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>
PROGRAMMING EXPERIENCE	<i>Languages: Python, React.js, Node.js, Umi.js, Bash, Java, Racket, C++, C, L^AT_EX</i> <i>Tools: Cloud [AWS], CI/CD [Buildkite, Github Actions], Containerization [Docker, Kubernetes]</i>	
	Note: All links are clickable on PDF.	