

Alexander Kroeger

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Contact Information  San Francisco, CA
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Experience	<div><div>Phantom Feb 2022 - Present <i>Backend Software Engineer</i><ul style="list-style-type: none">- Built (along with two other engineers) the first backend services for Phantom to improve app performance and unlock new features- With two other engineers overhauled the in-app trading feature to improve pricing for users- Tools used: Typescript, Terraform, AWS (DynamoDB, Lambda, SQS)</div><div>0x May 2019 - Aug 2021 <i>Software Engineer</i> Oct 2020 - Aug 2021<ul style="list-style-type: none">- Built tools for professional market makers to provide liquidity to 0x API users- Led (with another engineer) a successful effort to upgrade 0x smart contracts to decrease transaction fees for market makers- Tools used: Typescript, Solidity, Postgres</div><div>Data Scientist May 2019 - Oct 2020<ul style="list-style-type: none">- Built and maintained the data warehouse to enable analytics and external tools- Analyzed and reported on data to set company goals, track key metrics, and provide input for strategic decision-making- Tools used: Postgres (Amazon RDS), AWS EC2, Typescript, Python, Apache Airflow, Metabase</div><div>Coinbase Feb 2018 - Apr 2019 <i>Data Scientist</i><ul style="list-style-type: none">- Supported Coinbase Pro (the exchange product) by informing product decisions with data-driven analysis- Created and maintained ETL processes for internal and external data sources- Helped drive the first instances of AB testing on the product for growth</div><div>Analysis Group Feb 2017 - Feb 2018 <i>Analyst</i><ul style="list-style-type: none">- Supported academic and industry experts in litigation matters including corporate valuation and damages- Performed quantitative analyses on client data using SAS and R</div><div>Bitcoin Magazine Jun 2017 - Aug 2017 <i>Freelance Writer, link to author page</i><ul style="list-style-type: none">- Covered current topics in the cryptocurrency space</div><div>Federal Reserve Bank of New York June 2015 - Jan. 2017 Money and Payment Studies, Research Group <i>Research Analyst, Senior Research Analyst</i><ul style="list-style-type: none">- Conducted short-term and long-term research related to cryptocurrencies, traditional payment and settlement systems, and monetary policy implementation for use by policymakers- Utilized a variety of software packages for analysis, including Stata, SAS, R, and Python- Produced research for publication in academic and professional journals</div></div>
Education	<div>University of Notre Dame, Notre Dame, IN Bachelor of Business Administration, Double Major in Economics and Finance, May 2015 Honors Economics Thesis: Essays on Bitcoin Honors:<ul style="list-style-type: none">- Graduated summa cum laude and with honors in economics- One of sixteen valedictorian candidates- Herman Crown Award for highest GPA in the finance department</div>
Publications	See a full list of publications and talks here
Skills	<div>Programming Languages:<ul style="list-style-type: none">- Advanced: Javascript/Typescript, SQL, Python- Intermediate: Solidity, R- Some familiarity: Bash, SAS, StataOther: Terraform, \LaTeX, Git</div>
Interests	Cryptocurrencies, Backpacking, Kayaking, Guitar, Bourbon