NICOLAS (NICK) A. BAX, PHD

1295 Beacon St. Brookline, MA. PO Box 367 Brookline, MA 02446 • nick@5is.tech • 240-593-9031

EDUCATION
Stanford University, Stanford, CA, PhD, Department of Structural Biology. Class of 2021.
Princeton University, Princeton, NJ, Bachelor's Degree, Chemistry. Class of 2012.

RESEARCH EXPERIENCE
Director of Analytics, Unciphered LLC. 7/2021-Present
- Head up efforts to develop analysis tools for identification and recovery of cryptoassets

Cryptocurrency Analyst, Five I's LLC, 3/2019-6/2021, 6/2023-Present
- Develop tracking and analysis tools for blockchains including Bitcoin, Ethereum, Monero
- Consult with litigators, tech companies and law enforcement on topics related to illicit blockchain use
- Build and run high-frequency trading bots on Ethereum

Head of Research, Convex Labs, 6/2021-5/2023
- Designed methodology and led engineering team which built tools for detecting illicit NFT activity
- Carried out complex cryptocurrency investigations using Chainalysis Reactor and in-house tools
- Testified in federal court as expert witness for complex cryptocurrency case
- Carried out research and led engineering team in building tools for tracing of Tornado Cash and Monero

Blockchain Analyst, Merkle Data, 6/2018-12/2018
- Tracked behavior of large entities on various blockchains

PhD Student, Stanford University School of Medicine, Department of Structural Biology, 9/2014-6/2021
Research Assistant, Various Institutions (CU Boulder, NIH, Princeton University) 2010-2014.

EXPERT CASES
Consultant, Schober v. Thompson. 1:21-cv-01382. D. Colorado.
- Carried out complex forensics work

Expert Witness, Breslow v. Phillips. 1:23-cv-20727. S.D. Florida.
- Carried out complex forensics work
- Wrote multiple declarations
- Testified in preliminary injunction hearing

Retained as expert witness in large hacking case
- Carried out extremely complex forensics involving anonymity-enhancing tools
- Will testify when needed

OTHER EXPERIENCE
Officer, Stanford Blockchain Club (2020-2021)

SELECTED PUBLICATIONS
Bax, N.A. The Anatomy of a Bitcoin Heist: The Electrum Atom Malware Saga. *Five I's, LLC*. (2023).
https://medium.com/@nbax/anatomy-of-a-bitcoin-heist-the-electrum-atom-malware-saga-1685abf7c903

A Guide to Effectively Cheating NFT Launches (and detecting cheaters). *Convex Labs*. (2021).
https://medium.com/@convexlabs/a-guide-to-effectively-cheating-nft-launches-and-detecting-cheaters-a76143ef8ad8

Wu, M. et al. Tutela: An Open-Source Tool for Assessing User-Privacy on Ethereum and Tornado Cash. *arXiv*.
(2022). https://arxiv.org/abs/2201.06811

Bax, N.A., Anonymous, A. Tracing the WannaCry 2.0 Monero Transactions. *Five I's, LLC* (2021).
https://medium.com/@nbax/tracing-the-wannacry-2-0-monero-transactions-d8c1e5129dc1

SELECTED MEDIA COVERAGE

Canellis, D. What would you do if a hacker stole all your bitcoin? *Blockworks*. (2023).
https://blockworks.co/news/hacker-stole-bitcoin

Cox, J. This NFT on OpenSea Will Steal Your IP Address. *Vice*. (2022).
https://www.vice.com/en/article/xgdvaz/nft-steal-ip-address-opensea

Schwartz, L. Weiss, B. Who is Monkey? The notorious crypto scammer, who drained over $24 million and inspired a legion of copycats, has disappeared. *Fortune*. (2023).
https://fortune.com/crypto/2023/03/01/crypto-scammer-monkey-created-multimillion-dollar-empire-copycats-disappeared/

Kauflin, J. Did The Son Of The World's Third-Richest Person Trade NFTs With Inside Information? *Forbes*. (2022). https://www.forbes.com/sites/jeffkauflin/2022/03/30/did-the-son-of-the-worlds-third-richest-man-trade-nfts-with-inside-information/

Kirk, J. Crypto Exchange Bug Reveals North Korean Monero Laundering. *Bank Info Security*. (2021). https://www.bankinfosecurity.com/crypto-exchange-bug-reveals-north-korean-monero-laundering-a-17629

Canellis, D., Sinclair, S. White Hat v. Black Hat: What Really Happened With the FTX Hack? *Blockworks*. (2022). https://blockworks.co/news/what-happened-ftx-hack

Franceschi-Bicchierai, L. Meet the Blockchain Detectives Who Track Crypto's Hackers and Scammers. *Vice*. (2022). https://www.vice.com/en/article/xgd9zw/meet-the-blockchain-detectives-who-track-cryptos-hackers-and-scammers