Nathan **Fretz**

Passionate about personal finance and investing, economics, cryptocurrency, and decentralized blockchains. Interested in working for a company at the intersection of technology and finance that is building a future I believe in.

Contact

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Vancouver, BC

Education

MSc in Geological Sciences
2010 - 2013
The University of British Columbia

BSc Geog. Biogeosciences
2006 - 2010
The University of British Columbia

Skills

- JavaScript | React
- Node.js | Express
- Python
- Solidity | Hardhat
- HTML | CSS
- Git | GitHub

SELECT PROJECTS

INVESTMENT DASHBOARD

View Code | *View Website*

JavaScript | Node.js | Express | React | HTML | CSS
An investment dashboard for tracking a portfolio of stocks and crypto assets. The user can view company financials and price history for stocks and crypto assets, made possible by consuming data from multiple APIs.

FULLSTACK BLOCKCHAIN PROJECT

View Code | *View Website*

Solidity | Chainlink | Hardhat | ethers.js | JavaScript | React | HTML | CSS
An ERC-721 art collection project deployed to the ethereum rinkeby testnet. Inherits from OpenZeppelin contracts for secure ERC standards, and Chainlink's Verifiable Random Function to obtain a source of randomness. Token metadata and images are stored on IPFS. Frontend built using ethers.js and React.

WORK EXPERIENCE

HYDROGEOLOGIST, P.GEO

Golder Associates | Vancouver, BC | 2013 to 2021
Engaged in hydrogeological investigations throughout British Columbia and the Territories. Provided input and technical review to hydrogeological investigations in aquifer characterization, tunnelling, seepage and dewatering, remediation, and numerical and analytical modelling of groundwater flow and transport.

GRADUATE RESEARCH ASSISTANT, M.SC.

The University of British Columbia | Vancouver, BC | 2010 to 2013
Part of a collaborative project that investigated hydrologic, geochemical, microbiologic, gas transport, and heat transport mechanisms controlling acid rock drainage in mine waste in the Canadian Arctic.