



## Alex Colls

Data & Software Engineer  
Web3 builder

### Contact Information

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### Summary

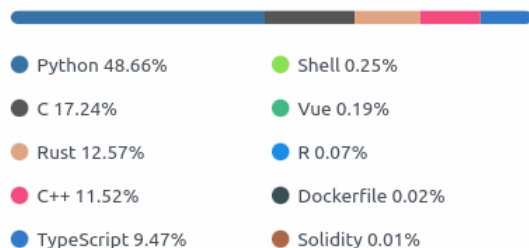
A Software Engineer focused on developing web3 applications. Obsessed with bringing blockchain technology to the mainstream.

Currently working in the Solana blockchain. Although, I do have experience in Ethereum, Polygon and EOSio smart contracts.

A Data Scientist passionate about Deep Learning. Currently working in the field building social media bots that use the latest Natural Language Processing (NLP) models to interact with your social accounts like a humanoid without being detected.

A Quant, trading global financial markets with algorithms for over 10 years. Specialized in High Frequency Trading (HTF) and Market Making (MM) systems. Currently working only in Financial Options trading models.

### Most Used Languages



### quantium's GitHub Stats

☆ Total Stars Earned:	36
🕒 Total Commits:	7.9k
🔗 Total PRs:	7
💡 Total Issues:	1
📦 Contributed to (last year):	4



### Experience



## Software Engineer

Beenzer dApp · Self-employed

Dec 2022 - Present · 3 mos

Geneva, Switzerland · Remote

Beenzer dApp is the first mobile application for iOS & Android built in the Solana blockchain. It combines the features of social media platforms like Instagram and TikTok with the benefits of non-fungible tokens (NFTs). By minting each post, users have the ownership of their content and can choose to print, burn, transfer, sell, or hold their Beenzer NFTs.

Landing -> beenzer.app

DAO -> dao.beenzer.app

Solana -> solana.com

Metaplex -> metaplex.com

**Skills:** Web3 · Decentralized Applications (DApps) · Decentralized Finance (DeFi) · Decentralized Autonomous Organizations (DAO) · Non-Fungible Tokens (NFTs) · Smart Contracts · Software Development · Rust (Programming Language) · Blockchain · Cryptocurrency · Metaverse



## Blockchain Developer

Artentic Web3 · Self-employed

Dec 2020 - Present · 2 yrs 3 mos

Escaldes-Engordany, Andorra · Remote

Artentic is a blockchain developing company focused on building decentralized applications (dApps), decentralized autonomous organizations (DAOs) and decentralized finance (DeFi) for mobile & web3.

**Skills:** Web3 · Decentralized Applications (DApps) · Decentralized Finance (DeFi) · Decentralized Autonomous Organizations (DAO) · Non-Fungible Tokens (NFTs) · Smart Contracts · Ethereum Blockchain (Solidity) · Polygon Blockchain (Solidity) · EOSio Blockchain (C++) · Solana Blockchain (Rust) · Software Development · Rust (Programming Language) · C/C++ programming · Python programming · Blockchain · Cryptocurrency · Metaverse



## Nexow Systems

5 yrs 2 mos

- **CEO - Chief Executive Officer**

Full-time

Sep 2016 - Sep 2020 · 4 yrs 1 mo

Barcelona, Cataluña / Catalunya, España · On-site

Nexow is a data-driven private investment company specialized in multi-asset class quantitative trading, low-latency algorithms and market making. We do not manage clients. Our goal is to maintain the firm's independence by developing avant-garde financial technology to obtain consistent profits in the most liquid financial markets worldwide.

**Skills:** Algorithmic Trading · High-Frequency Trading · Algorithms · Software Development · MySQL · MongoDB · Amazon Web Services · Google Cloud platform · Visual Studio Code · Cryptocurrency

- **Co-founder**

Self-employed

Aug 2015 - Sep 2020 · 5 yrs 2 mos

Barcelona, Cataluña / Catalunya, España

- **CIO - Chief Investment Officer**

Full-time

Aug 2015 - Sep 2016 · 1 yr 2 mos

On-site

**Skills:** Algorithmic Trading · Market Making · C/C++ programming · Python programming · R programming · Julia programming · Foreign Exchange (FX) Trading · Options, Futures & CFDs · Spot FX, Swaps & Forwards · Stocks & ETFs · Bitcoin · Cryptocurrency



### President & Founder

Quantum Rock · Self-employed

Jan 2015 - Jun 2022 · 7 yrs 6 mos

Barcelona, Cataluña / Catalunya, España · Hybrid

Quantum Rock is a premier algorithmic private hedge fund that leverages advanced techniques in quantitative research, machine learning, and applied mathematics to deliver outstanding performance across multi-asset and multi-strategy portfolios. With a strong emphasis on automation and risk management, our team of experts is committed to maximizing returns for our clients through a combination of cutting-edge technology and deep financial market insights.

**Skills:** Algorithmic Trading · Data Science · Deep Learning · Machine Learning · Financial Markets · Derivatives · Hedge Funds · Quantitative Analysis · Software Development · Python programming · R programming · Julia programming · Linux Ubuntu · Bloomberg Terminal · Options, Futures & CFDs · Bitcoin · Blockchain · Cryptocurrency

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### Director & Co-founder

Altium Firm Holding · Self-employed

Oct 2015 - Jul 2020 · 4 yrs 10 mos

Barcelona, Cataluña, España · Hybrid

Altium Firm is a trusted consultancy firm that specializes in the private banking debenture and buy-sell trade programs. Our team of experts provides expert advice to international corporate wealth investors, helping them to navigate the complex world of institutional notes, bank guarantees, and private bonds. With a focus on delivering value to our clients, we offer access to a wide range of new issue institutional notes and other financial instruments sourced from our reliable providers based in the United Kingdom.

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### FX Quant

Ethika Global Consulting · Full-time

Oct 2014 - Jun 2015 · 9 mos

Barcelona, Cataluña / Catalunya, España · On-site

Ethika Global Group is a money manager firm that trade FX on professional client's accounts. I was a quantitative researcher & trading systems developer.

**Skills:** Software Development · Foreign Exchange (FX) Trading

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### Portfolio Manager

RBL Asesores · Full-time

Sep 2013 - Sep 2014 · 1 yr 1 mo

Barcelona, Cataluña / Catalunya, España · On-site

RBL is a multi-family office (EAFI) that advises its professional client's wealth & asset management.

**Skills:** Financial Markets · Capital Markets · Fixed Income · Fundamental Analysis · Macroeconomic Analysis · Inter-Markets Analysis · Bloomberg Terminal

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### Financial Broker

GVC Gaesco · Freelance

Mar 2013 - Aug 2013 · 6 mos

Barcelona, Cataluña / Catalunya, España · Hybrid

GVC Gaesco is an asset management firm. I managed my client's portfolio with them independently.

**Skills:** Financial Markets



### FX & Futures Broker

TeleTrade Español · Full-time

Sep 2012 - Apr 2013 · 8 mos

Barcelona, Cataluña / Catalunya, España · On-site

Teletrade is an International FX and Derivatives Brokerage firm. I was a broker raising new clients and managing their accounts.

**Skills:** Financial Markets · Technical Analysis · Foreign Exchange (FX) Trading

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## Education



### Master of Science in Cybersecurity at Sapienza University of Rome

Bachelor of Applied Science - BASc, Computer and Information Systems Security/Information Assurance

Sep 2022 - May 2024

Grade: Cybersecurity

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### Codeworks

Software Engineer, Computer Software Engineering

2022 - 2022

**Skills:** Software Development

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### Le Wagon

Data Science, Artificial Intelligence

2021 - 2021

**Skills:** Data Science · Machine Learning · Software Development

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### CFTE - Centre for Finance, Technology and Entrepreneurship

Financial Technical Analyst, Servicios financieros y de gestión financiera

2013 - 2013

**Skills:** Financial Markets · Fundamental Analysis

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### IEF - Institut d'Estudis Financers

Bachelor's degree, Macroeconomics

2012 - 2012

**Skills:** Fixed Income · Financial Markets · Capital Markets · Macroeconomic Analysis

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### SAE Institute

Audio Engineer, Audio Engineering

2011 - 2011

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## Spoken Languages

### English

Full professional proficiency

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### Spanish

Native or bilingual proficiency

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### Catalan

Native or bilingual proficiency

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### Galician

Limited working proficiency

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### Portuguese

Limited working proficiency

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### Italian

Limited working proficiency

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