

Andrew Tian

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WORK EXPERIENCE

SoloMid Corporation

Los Angeles, CA

Senior Backend Engineer (*probuilds.net, champion.gg, fortnitemaster.com*)

August 2017 – May 2018

- Developed, launched, maintained production-level eSports statistics websites for PUBG, Fortnite, League of Legends.
- Built Twitch influencer game-specific stream overlays from scratch to increase engagement to in-house statistics websites.
- Performed data mining and reverse engineering of popular games Fortnite and PUBG for access to local and remote player stats data and time-sensitive patch release information for valuable content generation. Built image/video analysis tools Twitch video streams for temporal-based multiplayer game progress and state for player performance journaling.

OnboardIQ (Fountain)

Mountain View, CA

Software Engineer

August 2015 – September 2015

- Built essential product features for recruiting automation software in Rails on a rapid timeline in preparation for launch at Y Combinator Demo Day.

Bitcoin and Cryptocurrency Trader

2011 – Present

- Create and maintain systems for automated arbitrage of crypto assets on exchanges (Bitfinex, GDAX, Binance, Bitstamp, and others).
- Leveraged trading and arbitrage of BitMEX contract products.

EDUCATION

Texas Academy of Mathematics and Science, University of North Texas

Denton, Texas

60 credit hours towards Applied Math B.S.

2013-2015

PROJECTS

Bitcoin Mining Pool (2013)

Golang-based reverse proxy mining pool for Bitcoin mining traffic to verify PoW and distribute mining work based on profitability between bitcoin merged mining and various “altcoins.” Used in production for personal mining operation since 2011 and community GPU clusters & ASICs. Averaged 3% of the total Bitcoin mining network during 2013.

Dust Transaction Analysis and Research Tools on Bitcoin-based Cryptocurrencies (2011)

Research for dust-transaction generation and analysis tools to stress test and analyze impact of dust (spam) transactions on Bitcoin-based cryptocurrencies and transaction fee minimization.

What can I do for Bitcoin? — <http://whatcanidoforbitcoin.xyz>

Interactive website providing suggestions on Bitcoin projects benefiting the Bitcoin community by directing additional developer contributions. Featured on the reference bitcoin.org website.

NOTABLE

Coinbase Wallet Vulnerability (2013)

Discovered and executed wallet vulnerability for account balance manipulation and withdrawal on the Coinbase instant exchange platform. Recognized on the official Coinbase Bug Bounty Program – <https://hackerone.com/coinbase/thanks/prior>

PROFICIENCIES

Languages: Golang, Python2/3, JavaScript/TypeScript, PHP5, Ruby, Julia

Others: AWS, PostgreSQL, Application Security, Docker, ECS/EKS/Kubernetes, Terraform