William Morriss

(github.com)|(bitbucket.org)/wjmelements

University of Texas at Austin

Austin, TX

Bachelor of Science in Computer Science: Turing Scholars Honors; GPA: 3.80

Aug 2012 - May 2015

Mobile: 1-832-922-0072

Email: wjmelements@gmail.com

• Thesis: "A Concurrent Dictionary and Wait-Free Queue from Compare and Swap"

EMPLOYMENT

EDUCATION

VM Capital Remote

Founder/CTO

Feb 2020 - Present

- Lead Blockchain Engineer: Implemented, optimized, and audited batcher and protocol-adapter smart contracts
- Engineering manager: Built and managed a team of engineers: triaging tasks and developing junior engineers
- $\circ\,$ Tech lead: Optimized flow and graph algorithms, researched protocols, developed trading strategies
- o MEV Innovator: Pioneered stablecoin arbitrage, backrunning, gas griefing, general-purpose batching, 2byte ABI
- EIP Champion: Advanced company interests within the Ethereum roadmap, including EIP-3651 and EIP-5920

TrustToken San Francisco, CA

Blockchain Engineer

Oct 2018 - Feb 2020

- o Contract Profiling: Reduced TUSD transfer gas 70%, from 102591 to 30591, then the cheapest ETH stablecoin
- o Autosweep: Patented feature improving wallet usability for merchants, exchanges, and OTC desks
- Redemption addresses: UX allowing TrueUSD redemption by transferring to a memorable redemption address

Consensys San Francisco, CA

Blockchain Engineer

May - Aug 2018

- MetaMask: Prototyped mobile ethereum wallet and dapp browser
- $\circ\,$ uPort: Implemented EIP155 for iOS uPort

Snap Venice, CA

Mobile Software Engineer

Jun 2015 - Nov 2017

- o Memories: Created and shipped Memories for both iOS and Android
- Messaging: Owned the Android media pipeline, reduced video p99 latency 80% and video error rate 47%
- Tools: Created internal workflow scripts and pull request nagbot "Der Krampus"

Personal Projects

EVM Jan 2020 - Present

github.com/wjmelements/evm

 $\circ\,$ Ethereum Virtual Machine assembler, disassembler, and debugger

Paretto Oct 2014 - Jan 2017

bit bucket.org/wjmelements/colors

Formerly on the iOS App Store

o iOS puzzle and survival game based on the four-color theorem

Meerchat Apr - Dec 2014

bitbucket.org/wjmelements/asl

Formerly meerchat.net

• Peer-to-peer messenger powered by WebRTC supporting images, video chat, and synchronized Youtube

Bukkake Apr 2013 - Sep 2014

bitbucket.org/wjmelements/bukkake

 $\circ~$ x64 JIT compiler for parallel brainfuck

Proficiencies

Languages (Expert)

Languages (Experienced)

Selected Tools

FINRA Exams

Misc

C, C++, Java, Solidity, Python

Javascript, Go, Objective-C, Perl, Haskell, R, Prolog

git, make, cURL, vim, bash

SIE, Series 7, Series 63

iOS, Android, Linux, Ethereum, SQL