

EDUCATION

- **University of Texas at Austin** Austin, TX
Bachelor of Science in Computer Science: Turing Scholars Honors; GPA: 3.80 Aug 2012 – May 2015

EMPLOYMENT

- **Consensys** San Francisco, CA
Blockchain Engineer May 2018 - Present
 - **MetaMask-iOS**: Mobile wallet and dapp browser
- **Vulcanize.io** Los Angeles, CA
Smart Contract Engineering Contractor Mar 2018
 - **AppToken**: Gas-efficient token with approved application contracts and application-approval DAO
 - **ForumLottery**: IPFS-based forum that pays out tokens to contributors obtaining the most upvotes
- **Snap** Venice, CA
Software Engineer Jun 2015 - Nov 2018
 - **Memories**: An original Memories team member, developed Memories on both iOS and Android with a team that grew from 6 to over 20
 - **Messaging**: Owned the Android media pipeline, which included sending videos and photos from Memories and Camera Roll to stories and chat
 - **Tools**: Developed internal workflow scripts and pull request nagbot, Der Krampus

PERSONAL PROJECTS

- **FinneyVote** Jan - Feb 2018
github.com/wjmelements/cabal *finneyvote.com*
 - Forum powered by Ethereum smart contracts that rewards controversial discourse
- **Paretto** Oct 2014 - Jan 2017
bitbucket.org/wjmelements/colors Available on the iOS App Store
 - 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
 - x64 JIT compiler for parallel brainfuck
- **libscion** Since July 2013
bitbucket.org/wjmelements/libscion
 - Concurrency framework in C++ facilitating wait-free dataflow programming

PROFICIENCIES

Languages (Expert): C, C++, Java, Solidity, Javascript, Objective-C

Languages (Experienced): Bash, Perl, Haskell, Prolog, R

Selected Tools: vim, git, make, L^AT_EX, cURL, svn, hg

Misc: iOS, Android, Linux, Ethereum, SQL, JSON, XML