

JEFFREY YU

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EDUCATION

Stanford University | GPA 3.3/4.0 | SAT 2230
B.S. Candidate in Computer Science

Stanford, CA
New Graduate

Selected Coursework: Designing Decentralized Applications on Blockchain, Software Project Experience with Corporate Partners, Contemporary Javascript, Mining Massive Data Set, Concurrent Programming, Databases, Web Applications, Natural Language Processing, Design and Analysis of Algorithms, Human Computer Interaction Design, iPhone App Development

SKILLS

Languages: Angular.js, C++, HTML/CSS, Javascript, jQuery, Python, React.js, SQL, Spark, Solidity, TS
Software: MongoDB, Node.js, Express.js, Django, Truffle, Ganache, 0x, REST API, Radar Relay, Balsamiq
Source Control: GitHub, BitBucket, SVN **IDE:** VSCode, XCode, Emacs, QT Creator, UNIX
Algorithms/Techniques: MapReduce, SHA256 Hashing, Dynamic Programming, MVC, SVM, SGD, ML

PROFESSIONAL EXPERIENCE

DIY Decentralized Crypto Index Fund Smart Contract Stanford, CA | Mar 2018 - Present

- Built a self-curated self-custody decentralized index fund to acquire, hold, and rebalance crypto assets
- Smart contract developed using Solidity, Truffle, Metamask, Ganache, and 0x + Radar Relay API
- Off chain data managed on Node/Express/MongoDB server, projects price prediction of portfolio over time
- Version controlled on Git: <https://bit.ly/2JbINDh> and deployed on Kovan Test Network/NGINX Server
- Started V2 plans to migrate to React and Typescript and add marketplace for user curated/thematic indices.

Western Digital Software Engineer Intern Milpitas, CA | Sept 2017

- Built an in-house website for Sandisk test and product engineers to easily adopt and utilize SCRUM
- Streamlined Scrum workflow with user specific views and a STMP server for automated daily Scrum emails
- Improved open-source timeline and iteratively designed frontend interface with Bootstrap4/Jquery/HTML/CSS
- Manages multiple scrum teams, products, product backlogs and timelines with a Django + SQLite backend
- Created dashboard for 60+ employees to integrate and start production with Agile Methodology

Industrial uTechnology Research Institute Software Engineer Intern Shanghai, China | Sept 2016

- Designed and implemented code for infrared sensors to detect movement in new smart home devices
- Coded software logic and foundation for ear thermometer detection using graph traversal algorithms
- Developed 4 MEMs thermal sensor testing softwares for the company's product testing protocol

ACADEMIC PROJECTS

UNSPIDER Portal (United Nations/SAP Corporate Project) Stanford, CA | Dec 2018 – June 2018

- Built a satellite disaster relief web tool to democratize satellite data for nations w/o satellite programs
- Led 100+ needfinding interviews to identify 3 crucial resources during disasters our web tool provides insight on via OpenStreetMap and World Pop datasets as renderable JSON map overlays
- Utilizing Google Earth API and MEAN Stack, Canary provides annotations and resource allocation insight
- Pitched our web tool to UN and SAP stakeholders in Bonn, Germany and now working on integration
- Version controlled on Git and deployed on Heroku: <http://unspider-canary.herokuapp.com>

Flourish Childhood Development iOS App

Stanford, CA | Dec 2016

- Streamlined pediatric resources into robust mobile app for parents, with a focus on feedback driven UI/UX
- Led 20 needfinding interviews and coded iOS app in Swift with Firebase backend using IDEO design process
- Iteratively developed clinical parenting solution in a team-oriented manner, attracted a potential investor

LEADERSHIP

Founding Member of Stanford Blockchain Collective

Stanford, CA | Sept 2018

- Recruited 300 members to explore all aspects of blockchain from technical workshops to investor panels
- Chair of the cryptoeconomics committee and Stanford's liaison for ConsenSys College Consortium
- Manage personal cryptocurrency investment portfolio with 20x return on initial investment

HOBBIES/INTERESTS: Blockchain Collective, Cryptocurrency Investing, Cooking, Bodybuilding