Albert Su | albert_su@berkeley.edu | 1-408-489-9477 | albertsu123.github.io

EDUCATION

University of California Berkeley   **May, 2023**

Bachelors - Major: Computer Science Minor: Data Science   *Berkeley, California*

- Classes: Operating Systems*, Data Science*, Data Structures, Algorithms, Computer Security, Databases, Computer Architecture, Discrete Math + Probability, Blockchain Development, Cloud Computing
- Activities: UC Berkeley Neuroeconomics Lab(NLP research 2019-20), Fintech @ Berkeley

WORK EXPERIENCE   Active Security Clearance: TS/SCI/Full Scope Poly

National Security Agency (NSA)   **May 2021 – August 2021**

Software Engineering Intern   *Fort Meade, Maryland*

- Created visualizations for log metrics using grafana, the dashboard is currently used by 80+ engineers
- Developed a loki server to read logs from kubernetes pods, selected to present project to senior NSA leadership
- Built an NGINX reverse proxy server on the loki server to use HTTPS instead of HTTP

Risk Harbor   **March 2021 – Present**

Software Engineer   *Remote*

- Wrote smart contracts(solidity) for a blockchain native insurance platform - over 5M USD stored in contracts
- Raised 3.25M in seed funding, 1st employee - working on backend development
- Enabled the frontend to query 25 million blocks of data from the blockchain in under 500ms using graphQL

Healthlevel   **May 2019 – August 2019**

Software Engineering Intern   *Mountain View, California*

- Developed frontend for web based radiology forms- used over 800,000 times in 24 VA hospitals
- Created a printable interface, created a feature tracking the users' completion percentage on radiology forms

Personal Projects

- [**Klade.tech**](): **Blockchain based platform for speculation on the Bitcoin Hash Rate**
  - Accepted into the Berkeley Blockchain Xcelerator - Use the app [Here]()!
  - Integrated Chainlink with 5 different bitcoin difficulty data APIs - deployed to Ethereum mainnet
  - Wrote smart contract code(solidity, hardhat) + frontend(react, web3)

- [**vAR**]()
  - Developed an android app that is a free alternative to goal line technology for soccer (costs 260k USD per stadium). APK to install here: https://github.com/AlbertSu123/var
  - Trained machine learning model for goal detection - used tensorflow lite for image classification

- [**NFT Marketplace**]()
  - Since NFTs are super popular right now, I wrote a web app that acts as an NFT marketplace!
  - Worked on frontend(react) + smart contract code(solidity, truffle)

SKILLS & INTERESTS

- **Programming Languages:** Python, Java, Javascript/Typescript, SQL, Golang, C, Solidity
- **Technologies/Frameworks:** Git, Kubernetes, Docker, Grafana/Loki/Promtail, Hardhat, GraphQL, Linux, React
- **Interests:** Blockchain/DeFi, Soccer, Basketball, [Photography]()