

# SAMEER KHOJA

full-stack engineer and open-source enthusiast

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## 🎓 EDUCATION

### Cornell University

BS, Computer Science

Concentration in Linguistics

Concentration in Machine Learning

Graduating May 2019

GPA: N/A

### Texas Academy of Mathematics and Science

Dual Enrollment Program

University of North Texas

Graduated May 2016

President's List

## 💼 WORK EXPERIENCE

### Function of

Beauty (YC W16)

Summer 2015

### Full-Stack Developer Intern

- Created platform for iPad kiosk integration, used at Y-Combinator's Demo Day.
- Developed and maintained a LAMP stack, focusing on authentication and MySQL database management.
- Worked directly with the CEO to maximize conversion rates and minimize the duration of placing an order.

### UNT Dep't of

Materials Science

Summer 2015

### Research Intern

- Published paper on molecular dynamics simulation on high-density polyethylene using C++ software to determine causes of friction and wear.
- Published paper on the quantitative relationship between toughness and brittleness for polymers and metals.

### The Argan Tree

Summer 2014

### Data Analyst & Developer Intern

- Analyzed consumer data to compile a risk management report assessing business expansion to other areas of Morocco.
- Converted entire website to automatically detect and optimize displays for mobile phones.
- Aggregated survey findings to evaluate the impact of cooperatives on social and institutional trust.

## 🔬 RESEARCH

### Google Quantum AI Lab

Remote Research Assistant (Summer 2016)

- Working under Dr. Roushan to develop an algorithm for calculating the evolution of random quantum states.
- Using MATLAB to run computational simulations of Hamiltonian spectroscopy and Fourier transform.

## ☰ SKILLS

Node.js, React/Redux, Unity, C++, Ruby on Rails, AWS, LAMP, Swift, Vim, Bash, LaTeX,

## 🔧 PROJECTS

### Felony

Open-source PGP Keychain for the modern web. Over 3,000 stars on GitHub.

### Leave No Trace

Data-driven iOS app that promotes energy conservation. Received \$20,000 grant from Verizon Foundation to implement app.

### Spark

iOS app that uses the Braintree API to foster crowdfunding for a cause.

### FreezeRay

iOS app that uses the Chain API to take bitcoin wallets completely offline and safe from cyberhacks.

## 🏆 AWARDS

- Verizon Innovative App Challenge (2014)
- BitHack Winner (2015)
- MIT Zero Robotics (2014)
- Global Cooperative Challenge Finalist (2014)
- Eagle Scout (2012)