

# SAMEER KHOJA

full-stack engineer and open-source enthusiast

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## 👜 WORK EXPERIENCE

- **Google**  
Spring 2016  
**Remote Researcher**
  - Currently working with professors in the Google Quantum AI Lab to build an analog quantum computer.
  - Focusing on a demonstration of the Kibble-Zurek mechanism for a chain of nine qubits.
  - Using MATLAB to gather experimental data.
- **Function of Beauty (YC W16)**  
June 2014 - Present  
**Growth Hacker & Developer Intern**
  - Implemented guerrilla marketing techniques to expand user base, assessed which methods were most effective.
  - Worked directly with the CEO to maximize conversion rates and minimize the duration of placing an order.
  - Ran back-end development of company website, including login function and database integration.
- **The Argan Tree**  
Summer 2013  
**Data Analyst & Developer Intern**
  - Analyzed survey findings to assess the impact of cooperatives on social and institutional trust.
  - Converted entire website to automatically detect and optimize displays for mobile phones.
  - Assisted in compiling data for an impact analysis report of the cooperative on the status of women in Morocco.

## 🎓 EDUCATION

**Cornell University** (begins Fall 2016)  
BS, Computer Science  
Concentration in Machine Learning

Graduating May 2019  
GPA: N/A

**Texas Academy of Mathematics and Science**  
Dual Enrollment Program  
University of North Texas

Graduating May 2016  
GPA: 4.0

## 🧪 RESEARCH

Laboratory of Advanced Polymers  
**Undergraduate Researcher (Summer 2015)**  
Quantified relationship between toughness and brittleness for over a dozen polymers and metals. Published results in Materials Letters. Currently conducting molecular dynamics simulation on high-density polyethylene. Publication submitted.

## ☰ SKILLS

NodeJS, Swift, Vim, Bash, PHP/MySQL, LaTeX, MATLAB, Python

## 🔧 PROJECTS

**Leave No Trace**  
Data-driven iOS app that promotes energy conservation. Received 20k grant from Verizon Foundation to implement app.

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

**GitTutor**  
Web app that finds the best tutors on GitHub to learn any language. Built with GitHub API.

**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 (2014)
- MIT Zero Robotics (2014)
- Global Cooperative Challenge Finalist (2014)
- Eagle Scout (2012)