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)　　Graduating May 2019
BS, Computer Science　　GPA: N/A
Concentration in Machine Learning

Texas Academy of Mathematics and Science　　Graduating May 2016
　　GPA: 4.0
Dual Enrollment Program
University of North Texas

🧪 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

JavaScript, HTML/CSS, PHP/MySQL, Swift, Node.JS, 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)