Sameer Khoja

full-stack engineer and open-source enthusiast

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WORK EXPERIENCE

Google
Spring 2016

Quantum Engineer Intern
- 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 Python to fetch 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 to determine causes of friction, scratchability

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.

Seal Breaker
iOS app that uses the Mashery API to determine the optimal time to use the restroom while at a basketball game.

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)