SAMEER KHOJA

full-stack engineer and open-source enthusiast

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EDUCATION

Cornell University — Graduating May 2019
BS, Computer Science — GPA: N/A
Concentration in Linguistics
Concentration in Machine Learning

Texas Academy of Mathematics and Science — Graduated May 2016
Dual Enrollment Program — President's List
University of North Texas

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.js, Unity, C++, Ruby on Rails, AWS, LAMP, Swift, Vim, Bash, LaTEX,

PROJECTS

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.

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 (2015)
- MIT Zero Robotics (2014)
- Global Cooperative Challenge Finalist (2014)
- Eagle Scout (2012)