Pooja Nagpal

poojanagpal@berkeley.edu   (510)-993-5144

University of California Berkeley B.S.E
Electrical Engineering and Computer Science 2019

One of the ten 2015 National Young Women of Distinction. Speaker at the United Nations and TED talk.
Interested in the socially-conscious aspect of technology and computer science. www.calblueprint.org
Nonprofit : www.forachangedefend.com
2016 Women to Watch: https://women2watch.net/2016/12/19/pooja-nagpal-founder-of-for-a-change-defend/
Other Media Features: TEDx Talk   LA Times   Refinery29   ABC News   Times of India

Skills

Skills : Java, Javascript, Python, Ruby on Rails, Mobile Design with Android, IOS , React, Web Design CSS/HTML, Matlab, C, RISC V
 Coursework: Computer Architecture, Data Structures and Algorithms, Designing Information Systems and Devices I, II, Multivariable Calculus, Differential Equations/Linear Algebra
Non-Technical: 2nd degree Black Belt/self defense, 10 day Meditation Course, Nonprofit management, Public speaking,

~Blueprint -Software Engineering/Product Design

August 2016-present To bridge the gap between technology and social good, full stack development software and designs for nonprofits (pro-bono). www.calblueprint.org/

~ **Re-Plate** -delivers uneaten food from companies to homeless shelters): developed an online marketplace for food donations, directed at helping impoverished communities and wrote the backend for helping the head of Re-Plate to keep track of deliveries. Used Ruby on Rails, React, Javascript, and front -end design work.. www.re-plate.org/
https://github.com/calblueprint/replate-business

~Veteran's 360

-Designing and developing a mobile application to assist post-veterans. Post 9/11 veterans have high rates of unemployment and struggle to find resources/communities for assistance. Developed Transition Readiness Application, admin web portal, resource vault, and connect dashboard to map and connect veterans to resources. Ruby on Rails/React/Mobile iOS

~Women's Safety App

-Designing and programming an iOS and Android based application for victims in times of danger, with a bracelet that uses Bluetooth to send alerts to emergency contact phones and police within a 5 mile radius. Aimed at solving issue of sexual assault on college campuses. iOS and Android. In progress to be released with UC Police Department and college campuses across country

~Drone Security Project

Enjoy engineering drones for practical purposes, I developed a radar surveillance system on a drone for protection of areas stricken by gang violence and lack of security. Configured with MIT Lincoln Lab Radar and Raspberry Pi-livestreamed radar data and transported for signal processing.

Other National /International Work and Interests:

National Young Women of Distinction--*Selected as one of 10 young women in the country in 2015 for high levels of service and passion towards a global cause.*
TED Talk-Gave a TED talk on the power of youth activism, and the correlation between mental and physical strength for empowerment, and changing the culture of inequality in November of 2015.

Invited--Speaker at the United Nations

2016-Invited to speak the United Nations Commission on the Status of Women on my work with refugee camps and government of India to build a path for equality in education and safety for women and girls.

National Women Convention GIRL 2017:

Invited to speak on a stage to over 10,000 people about women in tech and encouraging girls to become leaders in the innovation panel and my nonprofit. Other speakers included: Olympian Gabby Douglas, Chelsea Clinton, Barbara Bush, among female tech leaders.

Qualcomm Featured Speaker Women in Tech Conference

2017- selected as featured speaker at 2017 Collegiate Women in Tech Conference

About me: Founder of For a Change, Defend-globally recognized nonprofit that is currently working with the government in India to build laws in India for women's safety. Since 2014, I've taught self defense 2,000 women/ girls in villages of India, blind schools, sex trafficking rings, blind schools self defense and empowerment.