

(309) 826-6211
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Education

STANFORD UNIVERSITY

Freshman, Class of 2020

NORMAL COMMUNITY HS

Graduate, Class of 2016

GPA: 5.4/5; Rank: 1

Technical Skills

	intermediate	advanced	expert
Android	•	•	•
Java	•	•	•
HTML/CSS	•	•	•
iOS	•	•	•
Python	•	•	•
Angular.js	•	•	•
jQuery	•	•	•
C++	•	•	•
TensorFlow	•	•	•

Awards

NASDAQ BEST APP

Cal Hacks 3.0

- For web app running LSTM stock predictor
- Prize: my 3-member team will present project to NASDAQ CTO in January and will have our picture featured on a Times Square digital billboard

WINNER

State Farm “Celebrate My Drive” Grant Contest

- For video demonstration of Iron Drive
- Prize: \$100,000 grant for my school

shubhangdesai

I’m a determined [self-learner](#) who quickly picks up new concepts and technology. I’m an excellent problem solver who has an affinity toward [innovation](#). Most importantly, I’m a team player who [motivates](#) others and [leads](#) through example.

I’m a [technologist](#) focused on Machine Learning, Mobile Development, and Web Development. I’m a [designer](#) who always pays close attention to the UI/UX of all my applications. I’m an [educator](#) who has presented on Android and Web Technologies. I’m an [entrepreneur](#) who has founded two startups and is involved in Stanford’s and Palo Alto’s startup scene. I’m a [one-person army](#), skilled at overseeing projects from ideation and design all the way to implementation and deployment.

Work Experience

CoLAB FELLOW – IDEO, January 2017

- Worked at IDEO CoLab (R&D branch of IDEO) to prototype big solutions using cutting-edge tech, specifically Blockchain, Machine Learning, and Internet of Things
- Prototyped three business models in nine days to solve the problem of facilitating future connected markets using Blockchain
- Was responsible for all technical aspects of prototyping on my team and presented my products to IDEO employees and other Fellows

SOFTWARE ENGINEERING INTERN – State Farm Insurance, Summer 2016

- Worked in IT R&D, assigned to create an iOS app which ran a neural network that can recognize various categories of objects as defined in the CIFAR-10 dataset
- Single-handedly designed and developed the app in just 8 weeks; app was presented to the State Farm EVP and Chief Administrative Officer
- Was part of Intern Website Design Team, designed the majority of the site
- Led Intern Website Dev Team, used Agile concepts such as sprint, stories, and Kanban board to lead distributed team of 20 developers of various skill levels to build website using HTML/CSS & AngularJS

FOUNDER & CTO – iotaa, 2016

- Founded startup which aspires to empowering creative professionals by developing an all-in-one tool to facilitate ideation, organization, and implementation of creative projects
- Validated market by conducting case studies with creative professionals
- Designed web app’s UI/UX using *Justinmind* prototyping platform
- Currently developing the app using the MEAN (Mongodb, ExpressJS, Angular.js, and Node.js) stack
- Visit [iotaa.co](#) for more information

SOFTWARE ENGINEERING INTERN – State Farm Insurance, Summer 2015

- Worked in IT Security, coded and issued entitlement approvals for managers using IdentityIQ identity management software
- Helped design and develop the State Farm IT Intern intranet site

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Certifications

DEVELOPING ANDROID APPS

Udacity

DEEP LEARNING

Udacity (in progress)

Extracurriculars

- Doing an independent machine learning project under a doctoral student's mentorship, plan on joining Stanford AI Lab as a researcher in Andrew Ng's team by spring
- Attended 2016 IDEO CoLab Makeathon
- Attended 2016 Cal Hacks 3.0 hackthon
- Member of Business Assn. of Stanford Entrepreneurial Students Freshman Battalion
- Attended 2016 RedbirdHacks Hackathon
- Taught Android Development 101 Workshop before 2015 ISU RedbirdHacks hackathon

Work Experience (cont.)

FOUNDER & DEVELOPER – Recursion Labs, 2015

- Founded an organization under which I published an Android app, The Commuter Chicago (*Software Project, see below*)
- Found the problem by discovering that there are no convenient, user-friendly apps for commuters in the Chicago area
- Designed solution, leveraging Material Design concepts to create a delightful UI/UX.
- Architected the app from a high level by deciding which technologies would be necessary for its function
- Developed the app and published it to the Google Play Store to 4.9-star rating

RESEARCH INTERN – Illinois State University Chemistry Lab, Summer 2014

- Ran lab experiments pertaining to drug delivery systems which made use of metallic nano-technology
- Helped create new experimental methods

Software Projects

LONG SHORT TERM MEMORY (LSTM) STOCK PREDICTOR (*Award, see first page*)

- TensorFlow implementation of recurrent neural network which utilizes LSTM cells to learn about stock values over time
- Developed in just 36 hours
- Trained on 30-day spans of stock data to predict future stock price

CONCEPTS iOS

- iOS app which runs machine learning model trained on CIFAR-10 Dataset on the device
- Makes use of DeepLearningKit open-source execution engine
- I coded softmax layer of execution engine from scratch
- Final app could take a picture and recognize it as one of 10 things

THE COMMUTER CHICAGO

- Android app which uses Chicago Transit API to display live train arrivals
- Leverages Android concepts such as custom Views and Content Providers
- Visit tinyurl.com/CommuterChicago for Play Store listing

IRON DRIVE PROTOTYPE (*Award, see first page*)

- Android app developed for State Farm "Celebrate My Drive" grant contest
- Prototype of app which could shut down user's phone to avoid distracted driving

Leadership Positions

OFFICER – Business Assn. of Stanford Entrepreneurial Students (BASES), 2017

- Appointed officer of BASES CreateSpace, the tech arm of the club
- Working in Product Bootcamp team to teach Stanford students various tech skills
- Responsibilities include organizing workshops and teaching content

FOUNDER/LEADER – Ferrosilicon Programming Club, 2015-2016

- Founded and led my school's first programming club and its projects