

Prakhar Garg

<https://github.com/prakhargarg>

SKILLS

Python | React | Node | Swift

Java, C, JQuery, Ajax, HTML, CSS, SQL, GIT,
Android, iOS, Hadoop, Javascript, Turi Create,
ML, Object Recognition

EDUCATION

B.S Computer Science
Business Foundations Program
The University of Texas
May 2017

INVOLVEMENT

Class of 2019
Comcast CORE Technology
July 2017 - Present
Intensive two-year rotational program
focused on Software Engineering across
the entire organization of
ComcastNBCUniversal. Consists of one 1-
year rotation and two 6-month rotations.

Class of 2016 Fellow
Xtern
May 2016 - June 2016
Intensive tech fellowship based in
Indianapolis where fellows are paired with
local start-ups, and taught how to impact
their local communities.

President/Co-Founder
Freetail Hackers
2014 - 2017
Managed over 6 teams
Ran HackTX (700+ hackathon)
Allocated and managed \$150,000 in
partnership deals

Rower/Webmaster
Texas Crew
Aug 2013 - May 2016

CONTACT

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WORK EXPERIENCE

COMCAST | NBC UNIVERSAL

XD Prototype

July 2018 – Present

Front-End Prototyper

- Built and prototyped the Xfinity platform in **React** in order to user test changes and improvements
- Created a **Sketch** plugin to allow designers to pull in proprietary assets from within the app and streamline their workflow
- Built a Xfinity Home prototype on **Android** to control smart devices around the house using voice

Comcast Labs

July 2017 – July 2018

Full-Stack Engineer

- Developed a POC of a smart home controlled through an EEG headset using **Python and Express** to allow patients with ALS a way to control their surroundings and regain independence
- Developed a POC of an **Augmented Reality** app using Vuzix glasses to allow technicians to be hands-free when on-site and improve safety
- Used Apple's **Turi Create** to develop an **Object Detection iOS** app to allow technicians in head-ends to scan and log machines and save Comcast **\$10M** a year
- Mentored and recruited start-ups through the **Boomtown** incubator

ConnectThink

June 2016 - Aug 2016

Ruby on Rails Developer Intern

- Managed the development of the Indiana State Fair app
- Coded in **Ruby, Ajax, and JavaScript**

Applied Research Labs

Jan 2016 - May 2016

Python Developer Intern

- Created a **Python** library to talk to the Apache MQ broker and connect to the C++ code base
- Developed a system to receive signal inputs from sensors and parse the data into readable data files
- Application allows Navy ships to scan for unfriendly divers

GE Aviation

May 2015 - Aug 2015

Software Engineer Intern

- Constructed widgets for the Web API in **Angular and TypeScript** to help airlines analyze flight data
- Developed in-house tools for the DevOps team

PROJECTS

Climb Tutor

August 2018 - Present

- Using **Turi Create** and **Core ML** to utilize **Machine Learning** to build a **React-Native iOS** app that helps climbers analyze and plan routes

Kanye Nest

July 2016

Front-End Developer

- **2nd place at a16z's Battle of the Hacks**
- Produced the interface for users to control the pitch, volume, and speed of a song using a **Leap Motion** and **Nest Thermostat**