

# Rishi Chillara

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Github: [github.com/RishiChillara](https://github.com/RishiChillara)

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## Education

**Purdue University**, West Lafayette, IN

Expected Grad: May 2022

BS in **Computer Science** in the Honors College - **GPA: 3.93**

Course Work: Intro to Object-Oriented Programming, Programming in C, Discrete Math, Data Structures and Algorithms

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## Work Experience

**MissionEDU** – Fremont, CA

Jun 2016 – Present

### Cofounder

- Founded nonprofit aimed towards providing free tutoring to low-income students
- Managed over 60 tutors/410 students; created over 4000 volunteer hours
- Partnered with school district and library to organize weekly sessions in three locations.
- Built a pairing system in Swift to match tutors and students based on subject, learning style, and grade

**Riffiti** – Sunnyvale, CA

Feb 2018 – Jul 2019

### Front End Intern

- Worked to sketch and create app wire frames in Photoshop and Sketch
- Developed app frontend utilizing UIKit Framework and Xcode
- Conducted PMR and A/B testing to study user interaction with the app
- Recruited High School Ambassadors, increased app membership by 8%

**The Smoke Signal** - Fremont, CA

Aug 2018 - Jun 2019

### Web Editor

- Curated and edited all content to be distributed on multiple platforms
- Redesigned website using Bootstrap and Javascript, increased traffic by 23%
- Managed a staff of 50 journalists and delegated tasks in a weekly cycle

**Safari Kid** – Fremont, CA

Nov 2016 - Mar 2017

### Programming Instructor

- Taught students fundamentals of programming and 3D Modeling
- Tutored in Auto CAD, HTML, CSS, and Javascript to guide students to develop their own portfolio over the course of a semester

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## Projects

### Video Title Generator

Mar 2020

- Created a video title generator using a Recurrent Neural Network to create unique titles off previous results
- Built in Python and trained on a corpus of 9000 video titles scrapped from Youtube using Youtube API
- Built off of textgenrnn, to create a character by character generation model, trained on Google Colab

### Squad Finder

Dec 2019

- Web App to find the closest meeting point between a group of people
- Utilized socket.io for live location updating and Firebase to store user data and Manhattan distance calculations
- Created Server Side in Node.JS with Firebase as a persistence layer for faster lookup and indexing

### SAT Score Prediction Bot

Dec 2018

- Built a Reddit Bot in Python used >3300 times that predicted students score based on the estimated number of questions wrong
- Gained an introduction to utilizing API's and hosting projects on Heroku
- Utilized Beautiful Soup to scrape public score databases to ensure accuracy in lieu of a public API

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## Skills & Interests

Languages: Swift, JavaScript, Java, Python, C, HTML, CSS, Firebase

Design: Adobe Photoshop, Illustrator, Premiere, After Effects, Lightroom

Hobbies: Table Tennis, Board Games, Ultimate Frisbee, Photography