Yash Patil

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Portfolio: yashpatil.me
github.com/ypat125
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SKILLS
Languages: Java, Javascript, Node.js, Python, C++, HTML/CSS
Tools: Expo/React Native, Git, Twilio, SQL, Google APIs, Firebase, Django
Skills: 3D printing, Arduino, UNIX, Web scraping

EXPERIENCE
Software Engineering Intern — **Pei** (getpei.com)   May 2019 - August 2019
- Pei is a Sputnik ATX backed startup developing an automatic cashback app that allows users to save money when shopping at partnered merchants.
- Worked as a frontend developer using React Native and other web-mobile tools.
- Worked as a backend developer in developing API endpoints using Django, Python, mySQL, SQL, and AWS.

Software Engineering Intern — **Pei** (getpei.com)   June 2018 - August 2018
- Created a web based interface for user analytics and data representation using SQL and Python.
- Performed SQL database maintenance and unit testing for backend API endpoints using mySQL and Python.
- Worked on frontend React Native application.

PROJECTS
HeyStay — *Developer*   August 2019 - Present
- HeyStay is an app that allows RVers to find a place to stay for the night at someone's private property. Airbnb for RVs.
- Built using React Native, ExpoKit, and Firebase.

Echo — *Developer* (getecho.app)   August 2018 - January 2019
- Echo is an app that allows any user to start their own short form podcast series. It uses a social media like model so users can gain followers, promote their content, and join the conversation.
- Used React Native, ExpoKit, and Firebase to create fully functioning app.
- Created multiple Python based web scrapers to gather data and promote the application.

Ecuisina — *Developer* (ecuisina.com)   June 2017
- Created an online food trading platform for users to barter home cooked foods and experience authentic cuisines locally and affordably.
- Utilizes easy-to-use item posting, secure trading requests, dynamic distance and preference based searching, scheduling, rating systems, and automated SMS notifications.
- Built from the ground up using Javascript and jQuery on the front end and custom node.js firebase functions triggered by ajax HTTP requests on the back end.
- Utilizes material design concepts.

Gimme SMS — *Developer* (gimmesms.com)   May 2016
- Created a service for users that do not have data plans to simply text a phone number and receive turn by turn directions, address locations, and weather information scraped from the web.
- Built using Python, Twilio, and Google Maps APIs.
- Ran program on Heroku and used Twilio webhooks to trigger a search.

EDUCATION
Liberal Arts and Science Academy, Austin, Texas   2017 - 2021
- **Coursework**: Advanced Computer Science, AP Computer Science, Computer Science Independent Study, UT Introduction to Python CS 313E (UT Audited course), Introduction to Java, Graphic Design

EXTRACURRICULARS
Science Olympiad Team Captain (2018-2019, 2019-2020), Personal Event Focus: Engineering   2014 - Present
- **Mission Possible:** A RubeGoldberg-like device that triggers an end task through a series of defined electrical, mechanical, or chemical actions.
  - 1st place - at State Competition, College Station (2018)
  - 3rd place - at MIT, Boston, MA (2018)
- **Mousetrap Vehicle:** A vehicle using mouse traps as its sole means of propulsion that can push a plastic cup forward, reverse direction, and come to a stop behind the start point at a specified endpoint.
  - 1st place - at UPenn, Philadelphia, PA (2018)
- **Experimental Design:** An event where participants design, conduct, and report the findings of an experiment conducted entirely on site.
  - 1st place - at State Competition, College Station (2016)

Programming UIL
- 1st Place - Indeed Invitational, novice division (2018)
- 1st Place - ARM Invitational, novice division (2018)
- USACO - Silver (Dec 2018)

LASA Ambassador: Participated in recruitment events and representation of the Liberal Arts and Science Academy.