Jainam Shah

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Education

- **San Francisco State University** — Expected Graduation: May 2021
  Bachelor's of Science in Computer Science — *GPA: 4.00*
  - **Coursework:** Web Development(React.js, Express.js, MYSQL, HTML, CSS, JS), Programming methodology & memory management(C++), Data Structures, Discrete Math, Probability & Statistics, Linear Algebra, Machine Structures(MIPS)
  - **Dean's List:** Fall 2018, Spring 2019, Fall 2019

Other certifications

- **Front-End Web Development with React(with Honors)** — course completed on: June 2019
  The Hong Kong University of Science and Technology (Coursera) — *Percentage: 100%*
  - **Course outcomes:** client-side application development using the React library, using Reactstrap to design responsive components and Redux to manage applications state.
- **Machine Learning** — course completed on: January 2020
  Stanford University (Coursera) — *Percentage: 97.6%*
  - **Course outcomes:** Topics covered: Supervised learning(regression, SVM, kernels, neural networks), Unsupervised learning(clustering, dimensionality reduction, recommender systems), bias/variance theory.

Experience

- **Organiser and Web master - SF Hacks 2020** — San Francisco, CA
  San Francisco State University — *Oct. 2019 - Present*
  - Designed and developed a webpage using React.js(sfhacks.io) through wich we got 400 applications.
  - Developed the structure and criteria for a fair judging system.
  - Modeled an enriching prize distributing arrangement to be in compliance with the available resources.
- **Lecturer and Math and Science Tutor** — San Francisco, CA
  San Francisco State University — *Sept. 2019 - Present*
  - Lecturer for SCI 221 - supplemental course for Data Structures(Java).
  - Helped over 100 students to pick up new programming languages and understand data structures(in Java, Python, and c++).
- **Software Engineering Intern** — San Francisco, CA
  SpeedLegal — *July 2019 - Sept. 2019*
  - Automated parsing, extraction and scaling of features from PDF using python decreasing the time from hours to minutes.
  - Experimented with different hyper parameters of CNN to find the best combination and increased the accuracy by 30%.
  - Worked on creating alternate models(Regression and SVM) to predict and classify data from the PDF document.
  - Developed and designed a web app using React.js to render the labeled information from the model.

Projects

- **HealthDe.tech**
  Personal Health Detector — *link: github.com/xo28122000/HealthDetect*
  - Developed a React.js front-end for users to sign up/in and upload a picture of the diseased body part.
  - Trained CNN models to detect diseases using Tensorflow API.
  - Deployed a restful flask server to use the trained models to predict the disease in pictures requested by the user.
- **Recovery Coach — MIT Health 2019**
  Personalized physical rehab coach and research platform — *link: github.com/joshuaaguilar20/MIT-HealthHacks*
  - Developed a web app to increase the efficiency of physical therapy centers by giving the power of supervising to AI.
  - Traced the movements of joints using poseNet and compared to the correct exercise pattern uploaded by the PT.
  - Made a reporting system to send the reports and insights to the care team.
  - Won 3rd place in self care in chronic diseases track.
- **RideAid — HackMobility 2019**
  Carpooling made simpler, safer and efficient — *link: github.com/helenamerk/hackmobility*
  - Developed a React Native app for user to start/join a pool and integrated the SmartCar's API to verify and unlock the car.
  - Developed a data processing back-end to clean and serve the data to front-end after fetching it from a PostgreSQL database.
  - Won the Shell Grand Prize and an award for the best use of Smartcar API.

Technical Skills

- **Languages:** Python, Java, C++, Swift, SQL, MATLAB, JavaScript, HTML, CSS
- **Framework and Libraries:** ReactJS/React Native, Flask, Redux, Tensorflow, Scikit-learn, Xcode