PRATEEK RAO

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EMPLOYMENT

Jan. 2020 to Current	**Kaiser Permanente** · Software Engineer Co-op · Irvine, CA

- Currently developing a platform that allows radiologists to annotate medical images.
- Set up a production pipeline involving DICOMs being processed through NVIDIA CLARA.
- Assigned tasks to 4 associates and performed code reviews to ensure overall project progress.

Sept. 2019 to Dec. 2019	**UCI - Informatics Department** · Full-Stack Developer Co-op · Irvine, CA

- Developed a web application to cater to UCI students searching for housing.
- Implemented a backend API using Node.js and a frontend web application using React, Redux and Bootstrap
- Adopted agile methodology for the developing prototypes in two-week sprints.

EDUCATION

Sept. 2016 to Current	**University of California, Irvine** Expected Graduation: 2020

SKILLS

Programming Languages	Python, JavaScript, Java, C++, C
Software Frameworks	Node.js, React.js, MongoDB, Redux, Mongoose, SQL, Flask, Jinja2, NVIDIA CLARA, Slicer3D
Deployment Technologies	Heroku, AWS, GCP, NGINX, Git

PROJECTS

Jan. 2019 to Mar. 2019	**Measles Outbreak Predictor**

- Part of a team that developed multiple ML models to predict the likelihood of a measles outbreak.
- Prepared the dataset by scraping the MMR vaccination and outbreak information from the CDC.
- Worked on training, fitting and testing decision tree, neural network, Naïve Bayes and random forest models.
- Calculated ROC statistics and confusion matrices for all models to compare performance.

PicNote (SDHacks 2018)

- Part of a team that created a web application to share pictures of notes to classmates.
- Developed a backend REST API in Flask to handle website routing.
- Optimized image loading using AWS S3 buckets in the Flask application.

June 2018	**Hack-Trello**

- Developed an application that reminds members of Hack at UCI of pending Trello tasks.
- Used the Trello API (https://trello.com) to import task-related data from Trello Boards.
- Used Twilio, SendGrid and Facebook APIs to automatically send task messages.
- Developed a landing page for the sender using Flask, Jinja2, HTML and CSS.

VOLUNTEERING

Jan. 2017 to Current	**Hack at UCI** · Organizer · Irvine, CA

- Planned, organized and promoted HackUCI, a yearly hackathon at UC Irvine.
- Performed data analysis using Python and GSheets API to understand event feedback from a statistical standpoint.
- Improved the productivity of the team by creating a program to automatically notify members of pending tasks.