

Rakesh Chatrath

WEB DEVELOPER · DATA SCIENCE ENTHUSIAST · PHOTOGRAPHY GEEK

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Skills

Software Python, Pyramid, Django, Java, R, Javascript, AngularJS, Sass, Git, MySQL, PostgreSQL, Selenium, LaTeX

Media Adobe Photoshop, Adobe Premiere Pro, Adobe Audition

Education

University of Pittsburgh

Pittsburgh, PA

BS IN APPLIED MATH AND BIOINFORMATICS

Aug 2016 - Apr 2020

Illinois Mathematics and Science Academy

Aurora, IL

RECEIVED DIPLOMA

Aug 2013 - Jun 2016

Experience

Recon Sports Consultants

Chicago, IL

CONSULTANT WEB DEVELOPER

Jun 2016 - Present

- Worked on a platform for recruiting prospective hockey players, matching them with collegiate scouts.
- Implemented a subscription-based payment system for the users of the platform.
- Developed unit and end-end tests using PyTest and Selenium
- Python | Pyramid | MySQL | AngularJS | Sass | PyTest | Selenium

Raise Inc.

Chicago, IL

CONSULTANT WEB DEVELOPER

Jun 2016 - Sep 2016

- Created a platform to automate the onboarding form process at Raise Inc.
- Created an interface that accepted client info and generated onboarding forms such as NDA using the HelloSign API
- Used Celery and Redis to periodically gather finished client forms from HelloSign
- Python | Django Db | PostgreSQL | Sass | Celery | Redis | Amazon S3

Student Inquiry and Research, Riverside Medical Center

Kankakee, IL

STUDENT RESEARCHER: [Abstract](#)

Jun 2015 - Aug 2015

- Studied the effectiveness of a lung cancer committee in identifying high risk lung cancer patients at the Riverside Medical Center
- Results seemed to indicate the lung cancer committee was effective in lowering cases of late stage lung cancer
- Excel | VBA | R

Selected Projects

PTPlanner

Pittsburgh, PA

RANDALL FAMILY BIG IDEA COMPETITION

Mar 2017

- PTPlanner is a web and mobile application that aims to increase outpatient physical therapy compliance
- Only freshman team out of 60 that participated in the final round of a pitch competition for \$25,000

Brush Brush Revolution

Saint Louis, MO

ARCHHACKS 2016: [See Devpost](#)

Nov 2016

- Web application that provide analytics on tooth brushing habits using computer vision
- Wrote the algorithms to process the data, translate the two-dimensional x-y coordinates generated by the Computer Vision to three-dimensional x-y-z coordinates, and find information such as velocity

Honors & Awards

2016 **First Place**, ArchHacks 2016

Saint Louis, MO

2016 **Most Technical**, ArchHacks 2016

Saint Louis, MO