PRAMOD KOTIPALLI

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SKILLS

LANGUAGES
Python
Javascript/TypeScript
C#
Java
MATLAB

FRAMEWORKS
Django + REST
ASP.NET MVC + WebAPI
Ionic Framework

WEB DEVELOPMENT
AngularJS
Responsive HTML/CSS
Razor/CSHTML

APPLICATION DEPLOYMENT
Heroku
Microsoft Azure

CONTINUOUS INTEGRATION
Jenkins
Travis CI / CircleCI / Wercker

DATABASES
PostgreSQL
Redis

VMS + CONTAINERS
Docker + Docker Compose
Vagrant + VirtualBox

APIS + LIBRARIES
Django Channels
KaTeX/MathJax
scikit-learn
Celery + RabbitMQ
ELK

IDES + ENVIORNMENTS
PyCharm
IntelliJ IDEA
Visual Studio + ReSharper

OTHER PROFICIENCIES
Git + Git Flow
n-tier application architecture
designing RESTful APIs
LaTeX
Shell Scripting

SUMMARY

Results-oriented software engineer specializing in web application development. Worked on numerous personal and professional projects gaining significant professional experience in Python, Django, AngularJS, and Microsoft's ASP.NET C# framework. Also studying how machine learning and computer vision techniques can be applied to wearable sensors to predict future health outcomes.

EDUCATION

Georgia Institute of Technology
Bachelors of Science Computer Science 2019
GPA: 3.89/4.00 (Faculty Honors)
Coursework: Machine Learning, Data Structures, Algorithms, Assembly & C, OOP

EXPERIENCE

SpaceX · Software engineering intern   Hawthorne, CA · September 2017 to December 2017
- Future intern in Enterprise Information Systems group at SpaceX headquarters
- Will develop software to empower industry-shaping rocket scientists and engineers

Cisco Systems · Software engineering intern   San Jose, CA · May 2017 to August 2017
- Developed tool to significantly reduce time to test Cisco's Cloud DVR services
- Driving development of RESTful APIs to abstract multi-host Docker container orchestration
- Led adoption of new technologies (e.g. task queues) and workflows (e.g. git feature-branch)
- Using: Docker, Django REST Framework, JMeter, Celery, RabbitMQ, ELK, Jenkins, Cisco UCS

PROJECTS

RichCaptions: symbolic math captions for educational videos   September 2016
- Identified and reconciled deficiency in viewing of educational videos on YouTube or Khan Academy.
- Recognizes that students learn better by seeing captions in math/science symbols instead of plain text.
- Designed/implemented UX for captioning and viewing videos with LaTeX-rendered math captions.
- Technologies used: AngularJS, KaTeX.js, Django REST Framework, YouTube API, PostgreSQL, Heroku.

MetroSync: a web app to help musicians rehearse together   June 2016
- Designed/implemented web app featuring metronome synced across devices aiding in musical practice.
- Allows a group leader to set tempo and time signature; plays synchronously on subscribed followers.
- Technologies used: Django Channels (web sockets), AngularJS.

AWARDS

Grace Hopper conference travel grant · Google   October 2016
One of 100 students awarded full scholarship to attend Grace Hopper Celebration of Women in Computing.
Developed skills based on demonstrated interest/experience in promoting the role of women in computing.

Grand Prize winner · HackATL: startup-oriented hackathon at Emory University   November 2016
Awarded for developing and presenting a comprehensive business plan to venture Atlanta-area VCs.
Developed technology for on-demand community help in emergency situations on college campuses.

Faculty Honors · Office of the Registrar, Georgia Institute of Technology   2016
Awarded to full-time students who earn a 4.00 GPA in an academic term.
Earned in Spring 2016, Summer 2016, and Spring 2017 terms.

ACTIVITIES

<gt-webdev/> · Marketing lead, officer, speaker   January 2016 to Present

Georgia Tech Leading Edge leadership development program ·   January 2016 to May 2016