PRAMOD KOTIPALLI

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SKILLS

LANGUAGES

Python
JavaScript / TypeScript
C#
Swift
Java
MATLAB
HTML5 / CSS3
Shell

CONTINUOUS INTEGRATION

Git + Git Flow
Jenkins
Travis CI / CircleCI / Wercker

APIS / LIBRARIES

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

IDES / ENVIORNMENTS

PyCharm
Visual Studio + ReSharper
IntelliJ IDEA

FRAMEWORKS

.NET
iOS
Django + REST
Angular
Ionic
NodeJS

PACKAGING / DEPLOYMENT

Vagrant
Docker
Heroku
Microsoft Azure
Digital Ocean

DATABASES

Microsoft SQL Server (T-SQL)
PostgreSQL
Redis

SUMMARY

Experienced software engineer · User-aware designer · AI-powered wearable computing aficionado

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, Object-Oriented Programming

EXPERIENCE

SpaceX · Software Engineering Intern   Hawthorne, CA · September 2017 to December 2017
- Automated process for on-boarding suppliers: mitigates legal risk, increases business efficiency
- Saved company 1,500+ hours/year of manual work and delivered significant value to supply chain
- Led implementation of multiple features with exposure to CIO, CFO, and all 7,000 employees
- Used .NET, C#, AngularJS · Gained practical understanding of Agile planning and UX design

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
- Led architecture and development of RESTful APIs for multi-host Docker container orchestration
- Drove adoption of new technologies (e.g. task queues) and new workflows (e.g. git flow)
- Used: 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, Heroku

AWARDS

Faculty Honors · Office of the Registrar, Georgia Tech   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.

Grand Prize winner · HackATL, Emory University   November 2016
- Awarded for developing and presenting a comprehensive business plan to Atlanta-area venture capitalists
- Developed technology for on-demand community help in emergency situations on college campuses

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

ACTIVITIES

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

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