

# PRAMOD KOTIPALLI

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## SKILLS

### LANGUAGES

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

### FRAMEWORKS

.NET  
iOS  
Django + REST  
Angular  
Ionic  
NodeJS

### PACKAGING / DEPLOYMENT

Vagrant  
Docker  
Heroku  
Microsoft Azure  
Digital Ocean

### CONTINUOUS INTEGRATION

Git + Git Flow  
Jenkins  
Travis CI / CircleCI / Wercker

### DATABASES

Microsoft SQL Server (T-SQL)  
PostgreSQL  
Redis

### MACHINE LEARNING / COMPUTER VISION

MATLAB  
scikit-learn  
Digital Signal Processing  
hmm-learn

### IDES / ENVIRONMENTS

PyCharm  
Visual Studio + ReSharper  
IntelliJ IDEA

## OBJECTIVE

Seeking Software Engineering internship in Fall 2018 or Spring 2019.  
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 · Sep 2017 to Dec 2017
- Designed, implemented, tested software solutions · Worked closely with PMs and UX designers
  - Automated supply chain processes in ERP: mitigated legal risk, increased business efficiency
  - Engineered SQL Server + .NET/C# backend that exposed RESTful APIs to AngularJS front-end
  - Saved 1,500+ hr/yr of manual data entry · Led projects now used by all 7,000 employees
- Cisco Systems · Software Engineering Intern San Jose, CA · May 2017 to Aug 2017
- Architected, researched, implemented test automation framework for Cisco's Cloud DVR services
  - Developed load testing and analysis framework to generate HTTP traffic and collect relevant statistics
  - Designed AngularJS front-end with Python RESTful API and ELK · Orchestrates Docker containers
  - Saved 10+ hr/wk of manual and error-prone OS/network configuration · Increases engineer efficiency
- School of Interactive Computing · Undergrad. Research Asst. Georgia Tech · Jun 2016 to Present
- Developing and analyzing Augmented Reality applications for intelligent warehouse mgmt. systems
  - Developing Google Glass apps and Python APIs in Prof. Thad Starner's Contextual Computing Group
  - Developed predictive health analytics for heart disease patients with Professor James Rehg
  - Used MATLAB and Python to apply DSP + HMMs to on-body sensors to identify concerning behavior

## PROJECTS

- RichCaptions: symbolic math captions for educational videos Sep 2016
- Designed/implemented UX for captioning and viewing videos with LaTeX-rendered math captions
  - Identified and reconciled deficiency in viewing of educational videos on YouTube or Khan Academy
  - Studied students to identify that learn better by seeing captions in math symbols instead of plain text
  - Developed AngularJS front-end leveraging YouTube API · Exposed Django REST API + PostgreSQL over Heroku
- MetroSync: a web app to help musicians rehearse together Jun 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
  - Developed real-time Web Socket-based app · Shared information between AngularJS front-end, REST API

## 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 Nov 2016
- Awarded for developing and presenting a comprehensive business plan to Atlanta-area venture capitalists
  - Developed wearable tech for on-demand community help in emergency situations on college campuses
- Grace Hopper Conference travel grant · Google Oct 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/> · Communications lead, Marketing lead, Officer, Technical Speaker Jan 2016 to Present  
Georgia Tech Leading Edge leadership development program Jan 2016 to May 2016