PRAMOD KOTIPALLI

✉ pramodk@gatech.edu
🌐 pramodk.net
📞 +1 (425) 200-5436
in pramodkotipalli
⌨ p13i

SKILLS

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

FRAMEWORKS
.NET
iOS
Django + REST
Angular
Ionic
NodeJS
Android

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

GRAPHIC DESIGN / MOTION GRAPHICS
Adobe Audition
Sketch (macOS)
MAXON Cinema 4D
Adobe Illustrator
Adobe After Effects
Adobe Premiere Pro
Adobe Photoshop

OBJECTIVE

Seeking a software engineering or UX design internship in Summer 2019
Experienced software engineer · User-aware designer · AI-powered wearable computing aficionado

EDUCATION

Georgia Institute of Technology
Bachelors of Science · Computer Science · 2019
GPA: 3.91/4.00 (Faculty Honors)
Coursework: Machine Learning, Data Structures, Algorithms, Assembly & C, Object-Oriented Programming

EXPERIENCE

Space Exploration Technologies Corp. (SpaceX) · Hawthorne, CA ·
Software Engineering Intern Sept. 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 · Jan. 2016 to Dec. 2016
- Developed predictive health analytics for heart disease patients with Professor James Rehg, Wall Lab
- Used MATLAB and Python to apply DSP + HMMs to on-body sensors to identify concerning behavior

Project Lead / Undergrad. Research Asst.   Georgia Tech · Jan. 2018 to Present
- Developing and analyzing Augmented Reality applications for intelligent warehouse mgmt. systems
- Researching responsiveness to notifications on head-worn displays and wearable displays
- Developing Google Glass apps and Python APIs with Prof. Thad Starner, Contextual Computing Group

AWARDS

Best Paper · ACM ISWC 2018   Oct. 2018
- Awarded for research work published to ACM International Symposium on Wearable Computers
- Studied novel wearable RFID-based verification system for the central process of order picking in logistics

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/> · President, Officer, Technical Speaker   Jan. 2016 to Present

PROJECTS

dARts: play darts in augmented reality   May 2018
- Designed interactive experience for collaborative darts game in augmented reality
- Used iOS frameworks like SceneKit to draw planes/objects into real-world with ARKit

MetroSync: a web app to help musicians rehearse together   June 2016
- Designed/implemented web app featuring metronome synced across devices aiding in musical practice
- Developed real-time Web Socket-based app · Shared information between AngularJS front-end, REST API

RichCaptions: symbolic math captions for educational videos   Sept. 2016
- Designed/implemented UX for captioning and viewing videos with LaTeX-rendered math captions
- Developed AngularJS front-end leveraging YouTube API · Exposed Django REST API + PostgreSQL