Pururva Lakkad

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Work Experience

Stark and Wayne LLC

DevOps Engineer Intern   May 2019- Aug 2019

- Contributed to the open source data backup and restoration project, SHIELD, by building a plugin to support etcd database
- Designed a data serialization format in golang for storing key values of etcd archives which allowed us to store and manage deployment information in an efficient manner
- Added support for etcd in SHIELD Phalanx - a BOSH release for testing the full-stack functionality of Stark & Wayne's SHIELD backup solution.
- Wrote BOSH manifest files to deploy automated tests to vSphere which provided a fuller and richer testing experience of our software stack before release

Computer Science Teaching Assistant

CSE220: Systems Programming (C)   Jan 2019- Present
CSE199: How Internet Works   Aug 2017- Present
CSE116: Intro to Computer Science II (Scala)   Jan 2019- May 2019

- Held office hours (3 hrs/week), helped students with programming assignments, and taught recitations.
- Developed tools & infrastructure needed for the course.

UB Hackathon

Website Team   Feb 2018- Nov 2018

- Helped rebuild UB Hacking's website in Python Django which performed all of the registration, user management, and day-of functionality to run the hackathon
- Added dashboard pages for admins that groups user specifications from the registration form

UB Campus Living

Resident Advisor   Mar 2018- Present

- Facilitated personal and academic advising to a floor of 30 college students

Software Projects   (*more at github.com/pururval*)

GroupMeBot | Python, Heroku

- Made a bot that responds to a query about "who's on duty" on that day
- Built a parser to clean data from Google Calendar

DigiAds | HTML, JavaScript

- Implemented a webapp to display geolocation specific ads in public transport
- Added a simulator with drag and drop marker to visualize the demo

ShowerDuino | C | UBHackathon

- Coded an arduino101 in c to rotate a stepper motor attached to the shower handle
- Made an android app using MITAppInventor for Bluetooth connectivity with the arduino101

Education

University at Buffalo   B.S. Computer Science   Expected May 2020

Relevant Courses Data Structures, Programming Languages, Computer Organization, Algorithms, Operating Systems, Machine Learning, Theory of Computation