

Pururva Lakkad

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Work Experience

Stark and Wayne

DevOps Engineer Intern

May 2019- Aug 2019

- Contributed to an open-source project SHIELD by building a backup/restore plugin for [etcd](#) database
- Designed a data serialization format for storing key values of [etcd](#) archives in [golang](#)
- Added support for [etcd](#) in SHIELD Phalanx - a bespoke [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](#)

Computer Science UTA

- 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

UB Hackathon

Website Team

Feb 2018- Nov 2018

- Helped rebuild UB hackathon's website implemented in [django](#)
- 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 population of 30 college students

Software Projects

GroupMeBot | [python](#), [heroku](#) | Fall19

- 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](#), [js](#) | Winter19

- 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 | Fall18

- 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

HtmlValidator | [c++](#) | Fall17

- Made app to validate HTML files for compliance against the W3C standards.
- Created a html parser to set up the DOM tree

Blockchain | [js](#) | Summer18

- Implemented a simple blockchain with proof of work, multiple transactions and mining rewards

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, Statistics