

# Pururva Lakkad

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## Work Experience

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### 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 floor of 30 college students

## Software Projects

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### 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

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### 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