

# 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