





Pururva Lakkad

 [pururval.github.io](https://github.com/pururval)
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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 storage and management of 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 the software stack before release

University at Buffalo • 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 (6 hrs/week), helped students with programming assignments, and taught recitations.
- Developed tools & infrastructure needed for the course.

UB Hackathon • Website Team

May 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](https://github.com/pururval))

ParkAtTheMoon | [C++](#) | Software Engineering project

- Working on a team project to find empty parking spots on school campus
- Setting up a raspberry pi station at lot entrance to track cars entering/leaving with an OpenCV ML model

GroupMeBot | [Python](#), [Heroku](#)

- Made a bot that responds to a query about "who's on duty" on that day
- Built a parser to clean and feed 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](#) | UB Hacking project

- 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, Computer Security, Modern Infrastructure Operations