






Pururva Lakkad

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Work Experience

Stark and Wayne LLC • Buffalo • DevOps Engineer Intern

May 2019 - Aug 2019

- Contributed to the open source backup and restoration project, SHIELD, by building a plugin for [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 SHIELD's full-stack functionality
- 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 • Buffalo • Computer Science Teaching Assistant

CSE421: Operating Systems ([C](#))

Jan 2020 - Present

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 • Buffalo • Resident Advisor

Mar 2018 - Present

- Facilitated personal and academic advising to residents living in on-campus housing.

Technical Skills

Languages | [Python](#), [C](#), [Golang](#), [C++](#), [HTML](#), [JavaScript](#), [Scala](#), [Verilog](#), [MIPS](#) and [Assembly](#)

Tools | [Unix](#), [Git](#), [GCP](#), [k8s](#), [Docker](#), [Concourse](#), [Wireshark](#), [netstat](#)

Software Projects

(more at github.com/pururval)

ParkAtTheMoon | [Python](#) | Software Engineering project

- Built an app with a team to find empty parking spots on school campus
- Worked on a raspberry pi station at lot entrance to track cars entering/leaving with an OpenCV ML model

Interpreter | [Python](#)

- Wrote a script that created multiple stacks of working environment, iterated on data structures and executed functions with restricted scope

ShowerDuino | [C](#) | UB Hacking project

- Coded an arduino101 in [C](#) to rotate a stepper motor attached to the shower handle

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

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

CrowdMap | [HTML](#), [JavaScript](#) | DandyHacks

- Built a webapp with gmaps API and socket.io to show live heat maps of crowd density on campus

DigiAds | [HTML](#), [JavaScript](#)

- Implemented a webapp to display geolocation-specific ads in public transport

Education

University at Buffalo • B.S. Computer Science

Expected May 2020

Relevant Courses Programming Languages, Computer Organization, Algorithms, OS, Machine Learning, Computer Security, Modern Infrastructure Operations, Distributed Systems, Modern Networking Concepts