

Pururva Lakkad

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Education

University at Buffalo B.S. Computer Science

Expected May 2020

Relevant Courses

Data Structures, Programming Languages, Computer Organization, Algorithms, Statistics
Operating Systems, Machine Learning, Theory of Computation (**Currently Taking**)

Computer Science TA

CSE220: Systems Programming (C)

Jan 2019- Present

CSE116: Intro to Computer Science II (Scala)

Jan 2019- Present

CSE199: How Internet Works

Aug 2017- Present

- Interacted with students one-on-one during the class activities
- Taught programming concepts to 3 labs per week of 25 students each

Work Experience

UB Hackathon

Feb 2018- Nov 2018

Website Team

- 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

Mar 2018- Present

Resident Advisor

- Facilitated personal and academic advising to a population of 30 college students
- Developed an inclusive community among residents, maximizing positive resident interactions

Software Projects

DigiAds | [html](#), [js](#) | Winter19

- Implemented a webapp to display geolocation specific ads in public transport
- Added a simulator with drag and drop marker to test demo with investors

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

GroupMeBot | [python](#) | Fall18

- Made a bot that responds to a query about "who has a job shift" on that day
- Implemented a parser to clean data from google calendar

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

Dancerflo | [tensorflowjs](#) | Fall18

- Working on a webapp that uses posenet model to mimic dance moves from external videos

TransportTracker | [js](#), [firebase](#) | Fall17, Summer18

- Made a webapp to get realtime location of multiple vehicles using gmaps api
- Added version2 that displays vehicles from their expected co-ords at certain time from a schedule