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# Sharvil Parekh

## Technical Skills

### Languages

Python, Java, Golang, C#, HTML/JS/CSS  
(Bootstrap, Semantic UI), Node.js,  
Groovy, Ruby, C, PostgreSQL

### Tools

Lambda, EC2, Alexa Skills, S3, SNS,  
SQS, SES, Git, DynamoDB

## Links

sharvilp.me/#projects  
github.com/SharvilP  
devpost.com/SharvilP  
linkedin.com/in/Sharvilp6

## Education

### University of Maryland

B.S. Computer Science  
Tech Entrepreneurship Minor  
Expected Grad Dec 2019  
College Park, MD

## Organizations

### Bitcamp

Tech Organizer  
Manage tech for student run  
hackathon with 1300+ participants

### Startup Shell

Development Fellow  
Student run incubator for student-  
run startups at UMD

### Phi Chi Theta

Professional Business Fraternity

### Maryland Masti

Tech Lead

## Relevant Coursework

Data Structures  
Algorithms  
Database Design  
Practical Deep Learning  
Full Stack Web Dev with Node.JS  
Organization of Prog Languages  
Discrete Structures / Mathematics  
Introduction to Computer Systems  
(C and Y86)  
Phillips Virtual Culture/Autonomous  
Unmanned Systems Research Stream

## Professional Experience

### Software Engineering Intern | Nextdoor

Sept 2018 - Present

- Building ReST API in Go to resurface datalake cache back to production

### Software Development Engineering Intern | Amazon

May 2018 - Aug 2018

- Designed notification and daily digest summary email architecture for internal goal tracking tool used in business reviews
- Developed serverless architecture in Python using Lambda, SQS, DynamoDB, S3, and SES
- Integrated service into existing Java Spring application used by 2000+ teams

### Software Engineering Intern | Whisker Labs

Jun 2017 - Aug 2017

- Developed Lambda function in Python enabling cloud to cloud data transfer between energy monitoring devices and our backend
- Designed groovy app allowing metering outlets to post power data to backend
- Created Slack Bot to help users subscribe to updates about an embedded device's lifecycle using Lambda, API Gateway, S3, and Slack RTM

### Software Engineering Intern | Earth Networks

May 2016 - Aug 2016, Dec 2016 - Jan 2017,

- Developed a personal weather station dashboard website serving 3000 personal weather stations (Weatherbug Backyard)
- Built using SignalR with C# and Bootstrap and Bootstrap/Javascript

## Projects

### Terp Wash | Python | Alexa Skill | August 2017

- Published an Alexa Skill using AWS Lambda and Alexa Skills Kit to allow students to easily check the status of laundry machines in their dorms

### Phillips IoT | Node.JS | May 2017

- Designed an IoT device and dashboard to monitor temp/humidity using RPi 0
- Used Adafruit IO as the IoT platform and Node.JS with Socket.IO for dashboard

### Cardr | Node.JS | Bitcamp | March 2017

- Designed an online e-wallet for business cards using Node.JS
- Used Google CV to automate entering business card information by parsing an image of a business card and extracting all relevant information
- Accompanying Alexa skill in python to retrieve phone no and email addresses

### Galileo | Python | Daemon Dash | January 2017

- Redesigned UMD's schedule builder to generate the best schedules for students
- Python web app using flask allowed for options such as least walking, late classes, and no classes on specified days

### Terrapin Nav | Python | Alexa Skill | September 2016

- Published an Amazon Alexa Skill for UMD students to find out how long it takes to walk from one building to another on campus

### EzPill | C# Python | MLH Prime | August 2016

- Fabricated a smart pill dispenser using a Raspberry Pi with an accompanying web and Android app