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# Sharvil Parekh

## Technical Skills

### Languages

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

### Tools

AWS (Lambda, EC2, Alexa Skills, S3),  
Git, Final Cut Pro, Photoshop

## 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 May 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

### Maryland Masti

#### Tech Lead

## Relevant Coursework

### Current (Spring 2017)

Database Design  
Advanced Data Structures  
Practical Deep Learning

### Previous

Data Structures  
Algorithms  
Full Stack Web Dev with Node.JS (Audit)  
Discrete Structures / Mathematics  
Introduction to Computer Systems  
(C and Y86)  
Phillips Virtual Culture/Autonomous  
Unmanned Systems Research Stream

## Professional Experience

### Incoming Software Development Engineer | Amazon

May 2018 - Aug 2018

### Software Engineering Intern | Whisker Labs

Jun 2017 - Aug 2017

- Developed AWS Lambda function in Python enabling cloud to cloud data transfer between energy monitoring devices and internal API
- Developed app in groovy that would allow metering outlets to feed power data to our back end
- Wrote Python daemon for an embedded device which found energy monitoring devices on the network and queried them for power data
- Created Slack Bot to allow users to subscribe to updates about an embedded device's lifecycle using Lambda, API Gateway, S3, and Slack RTM

Dec 2016 - Jan 2017

- Created an automated summary email service that scraped energy data, calculated error analysis, and emailed a list of clients
- Developed a SignalR connected web page with C# that generated a mock electricity bill for users

### Research and Development Intern | Earth Networks

May 2016 - Aug 2016

- Developed a personal weather station dashboard website serving 3000 personal weather stations (Weatherbug Backyard)
- Wrote backend in C# using SignalR to allow for real time data updates
- Built front end UI using Bootstrap and Javascript (Canvas.JS)

## Projects

### Terp Wash | Python | Personal Project | 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 | Research Stream | May 2017

- Designed IoT device and dashboard to monitor temp/humidity of exhibits in the Phillips Collection Museum in DC
- Used Adafruit IO with a RPi Zero and Node.JS with Socket.IO for dashboard

### Cardr | Node.JS | Hackathon | 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 num and email addresses

### Galileo | Python | Hackathon | 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 | Personal Project | September 2016

- Published an Amazon Alexa Skill for UMD students to find out how long it takes to walk between any two buildings on campus

### EzPill | C# Python | Hackathon | August 2016

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