Website: Sharvilp.me
Email: Sharvilp@umd.edu
Mobile: 301-326-7913

Sharvil Parekh

Technical Skills

Languages

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

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
Expected Grad May 2019
College Park, MD

Honors and Awards

CMNS Dean's List

-Achieved a GPA of 3.5 or higher

AP Scholar with Distinction

- Average of at least 3.5 on 5 or more AP exams

Community Service

- Completed 238 community service hours

Relevant Coursework

Current (Fall 2017)

- Algorithms
- Organization of Prog Languages
- Autonomous Unmanned Systems Research Stream

Previous

- OOP 2, Data Structures
- Discrete Structures / Mathematics
- Autonomous Unmanned Systems Research Stream
- Phillips Virtual Culture Research Stream
- Full Stack Web Development with Node.JS (audited)

Professional Experience

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 our backend
- Developed app in groovy that would allow metering outlets to post power data to our backend
- Wrote Python daemon for an embedded device which found energy monitoring devices and queried them for power data
- Created Slack Bot to help users subscribe to updates about an embedded device's lifecycle using Lambda, API Gateway, S3, and Slack RTM

Dec 2016 - Jan 2017

- Wrote C# multithreaded program to parse log files to retrieve sensor information
- Created an automated summary email service that scraped information, 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
- Maintained deployment on an Amazon EC2 Instance running IIS
- Built front end UI using Bootstrap and Javascript (Canvas.JS)

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