Website: Sharvilp.github.io
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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

github.com/SharvilP
devpost.com/SharvilP
pws.ensb.us (Weatherbug Dashboard)
phillipsiot.heroku.com

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
- Programming Languages
- Autonomous Unmanned Systems Research Stream

Previous

- Object Oriented Programming 2
- Discrete Structures
- Autonomous Unmanned Systems Research Stream
- Phillips Virtual Culture Research Stream
- Full Stack Web Development with Node.JS

Professional Experience

Research and Development Intern | Whisker Labs

Jun 2017 - Aug 2017

- Worked on supporting third party sensors for home energy monitoring hubs
- Developed an AWS Lambda function in Python that would provide cloud to cloud data transfer between Neurio devices and our backend
- Developed a SmartThings SmartApp that would allow for SmartThings devices to post power data to our backend

Dec 2016 - Jan 2017

- Wrote C# multithreaded program to parse log files in order 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 | Weatherbug

May 2016 - Aug 2016

- Developed a personal weather station dashboard website serving 3000 personal weather stations
- Wrote backend in C# using SignalR to allow for real time data updates
- Maintained deployment of site on an Amazon EC2 Instance running IIS
- Built front end UI using Bootstrap/JS

Projects

Phillips IoT| Node.JS | May 2017

- Designed an IoT device and web dashboard to monitor temperature and humidity in a room using a Raspberry Pi Zero
- Used Adafruit IO as the IoT platform and Node.JS with Socket.IO for dashboard

UMD Bus Nav| Python | September 2016

- Leveraged UMD's student-run API to create an app that would find the most efficient bus route for students to take

Terrapin Nav| Alexa Skill | September 2016

- Published an Amazon Echo Skill for UMD students to find out how long it takes to walk from one building to another on campus https://www.amazon.com/Sharvil-Parekh-Terrapin-Nav/dp/B01KM81OLI

EzPill | MLH Prime | August 2016

- Fabricated a smart pill dispenser using a Raspberry Pi and accompanying Android app and web app
- Implemented Twilio's Sync API to allow the three platforms to communicate in real time

FireberryPi | Bitcamp | April 2016

- Utilized a Raspberry Pi and an Arduino to create a gas sensor that notifies a user with a text and image when a gas leak or smoke is detected
- Won best use of internet sourced data and an honorary mention for best use of Sparkpost's email API

Lots of Holes | HackUMBC | March 2016

- Developed an Android app that helps map potholes through crowdsourcing
- A GPS flare would be emitted to a firebase database when the phone's accelerometer detected a pothole
- Placed 3rd overall out of over 50 teams and 300 participants