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, Ruby, 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
Bioinformatic Algorithms
Full Stack Web Dev with Node.JS

Previous

Data Structures
Algorithms
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 | 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

- 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
- Wrote C# multithreaded program to parse log files to retrieve sensor information

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