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

Sharvil Parekh

Technical Skills

Languages

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

Tools

Git, Visual Studio, Sony Vegas, Photoshop, Final Cut Pro

Links

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

Education

University of Maryland

B.S. Computer Science
Expected 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

Previous

- Object Oriented Programming 2
- Discrete Structures
- Autonomous Unmanned Systems Research Stream
- Phillips Virtual Culture Research Stream
- Full Stack Web Development with Node.JS
- Object Oriented Programming 1
- AP Computer Science (5)
- Calculus 3

Professional Experience

Research and Development Intern

Whisker Labs | Dec 2016 - Jan 2017

- Debugged and developed C# multithreaded programs 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 a backend in C# that generates a mock electricity bill for users
- Designed a homepage for internal testing web pages

Research and Development Intern

Weatherbug | May 2016 - Aug 2016

- Developed a personal weather station dashboard website serving 5,000 users
- Wrote the backend in C# using SignalR to allow for real time data exchange
- Worked with a team of two interns under a project manager
- Maintained deployment of site on an Amazon EC2 Instance running IIS
- Created front end UI using Bootstrap
- Managed the capture of UDP data for historical graphs
- Created a live weather data graph, live weather data tables, and multiple historical data graphs

Projects

Phillips IoT| Node.JS | May 2017

- Created an IoT device and web dashboard to monitor temperature and humidity in a room
- 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 using Python
- Currently working on creating a companion Alexa Skill

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, 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 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