Website: Sharvilp.github.io
Email: Sharvilparekh@gmail.com
Mobile: 301-326-7913

Sharvil Parekh

TECHNICAL SKILLS

Languages

Experienced:
Java, HTML/CSS (Bootstrap), C#
Familiar:
Python, Javascript

Tools

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

Personal Projects

UMD Bus Nav

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

Terrapin Nav

- Published an Amazon Echo Skill for UMD students to find out how long it takes to walk from one building to another

LINKS

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

EDUCATION

University of Maryland

B.S. Computer Science
Fall 2016 - May 2020
College Park, MD
Community Service: 237 hours

AWARDS

AP Scholar with Distinction

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

Community Service Award

-Over two hundred community service hours

INTERESTS

- Computer Science
- Hackathons
- Cybersecurity
- Video Editing

WORK EXPERIENCE

Research and Development Intern

Weatherbug | May 2016 - Aug 2016
- Full stack development of a personal weather station dashboard serving 5000 users
- Led a team of two interns under a project manager
- Wrote the back-end in C# using SignalR to allow for real time data exchange
- 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
- Tasks included creating a live weather data graph, live weather data table, and multiple historical data graphs

Intern

Department of Environmental Protection | Jun 2015 - Aug 2015
- Helped map storm water retention facilities on aerial maps using ArcGIS
- Managed Excel data entry of storm water retention facility plans
- Planned and set up local public outreach events

Hackathons

MLH Prime | Participant | Aug 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

Bitcamp | Best use of Internet Sourced Data | 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

HackUMBC | 3rd Place Overall | March 2016

- Developed an Android app that helps map pothole through crowdsourcing
- A GPS flare would be emmited to a firebase database when the phone's accelerometer detected a pothole

HackTJ | Participant | Feb 2016

- Designed a web app that suggests new restaurants in the user's vicinity based on past transactions through the use of the Capital-One and Yelp API

HackRPI| Participant | Nov 2015

- Created a sound synthesis application in Python using a Leapmotion

Extracurriculars

MC Programming Competition | 1st Place | May 2015/16

- Competed with other high schools in the area in a Java programming competition
- Problems varied from basic programming such as loops/conditionals, arrays, to data structures.

MCPS Cybersecurity Competition| Participant | Feb 2016

- Participated in NYU Polytech's cybersecurity forensics challenge involving data scraping and other cybersecurity skills