Website: Sharvilp.github.io
Email: Sharvilp@umd.edu
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

Links

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

Education

University of Maryland

B.S. Computer Science
Fall 2016 - May 2020
College Park, MD

Awards

AP Scholar with Distinction

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

Community Service Award

- Completed 238 community service hours

Relevant Coursework

Current (Spring 2017)

- Object Oreinted Programming 2
- Discrete Structures
- Autonomous Unmanned Systems Research Stream

Previous

- Object Oriented Programming 1
- AP Computer Science (5)
- Introduction to Data Structures
- AP Calculus AB (5)
- AP Calculus BC (5)
- Calculus 3

Professional Experience

Research and Development Intern

Weatherbug | May 2016 - Aug 2016
- Development of a personal weather station dashboard website serving 5000 users
- Worked with 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 tables, 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

Projects

UMD Bus Nav| Python | September 2016

- Leveraged UMD's student run API to create an app that would find the most effecient bus route for students using Python
- Currently working on creating a companion Alexa Skill

Terrapin Nav| Alexa 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 pothole through crowdsourcing
- A GPS flare would be emmited to a firebase database when the phone's accelerometer detected a pothole
- Placed 3rd overall

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.