

Technical Skills

Languages

Experienced:

Java, HTML/CSS (Bootstrap), C#, Python

Familiar:

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

Expected May 2019

College Park, MD

GPA: 3.57

Honors and Awards

AP Scholar with Distinction

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

Community Service

- Completed 238 community service hours

CMNS Dean's List

- Hold a GPA of 3.5 or higher

Relevant Coursework

Current (Spring 2017)

- Object Oriented Programming 2
- Introduction to Node JS
- Discrete Structures
- Autonomous Unmanned Systems (Robotics) Research Stream
- Phillips Virtual Culture 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

Software Engineering 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

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 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