

## 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](https://github.com/SharvilP)

<http://devpost.com/SharvilP>

[pws.ensb.us](http://pws.ensb.us) (Weatherbug Dashboard)

## Education

### University of Maryland

#### B.S. Computer Science

Expected May 2019

College Park, MD

## 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

## Relevant Coursework

### Current (Spring 2017)

- Object Oriented 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

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