



# XAVIER RODRIGUEZ

STUDENT SOFTWARE DEVELOPER

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## **Dear Sustainability Engagement Institute,**

When faced with a challenge, my approach is systematic, deliberate, and efficient and my tireless work ethic ensures I get the job done. This, combined with my major in Math and Computer Science and minor in Leadership studies is what I am eager to contribute as a Communications Assistance/Web Developer 2.

Undaunted by the challenge of working and being a full time student I have taken advantage of every opportunity to build on my skill set and gain hands-on experience. Through my course work and self-study I have accomplished:

- Developing and managing a Wordpress website for a client that contains a self-made booking system where my client can receive emails and text messages.
- Proficiencies in JavaScript, HTML/CSS, Python, BASH, Matlab, and Racket
- Developing an online portfolio with HTML and CSS
- Numerous coding projects that are contained in my Github repository

In addition to my analytical and technical skills, I am bilingual and have consistently demonstrated the ability to work in a team with a group of diverse individuals. Alongside my passion for writing code and software development I enjoy photography/videography and am always willing and eager to learn new skill sets.

Sincerely,

A handwritten signature in black ink that reads "Xavier Rodriguez". The signature is fluid and cursive, with the first letters of "Xavier" and "Rodriguez" being capitalized and prominent.

XAVIER RODRIGUEZ



# XAVIER RODRIGUEZ

## PROFILE

I am a proficient student software developer from Bellingham, Washington. I am always striving to learn about the field's newest and innovative technologies and frameworks. I have the ability to build projects and collaborate with teams.

## CONTACT

PHONE:  
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GITHUB  
<https://github.com/XaviRB>

Portfolio  
<https://XaviRB.github.io/>

## PROGRAMING LANGUAGE SKILLS

- JavaScript
- C++
- Python
- Bash
- HTML/CSS
- MATLAB
- Racket

## PROJECTS

### MANHATTAN TRAFFIC

This project that I am currently working on is written in HTML, JavaScript and Geojson. The purpose of this project is to show a map of live traffic data in Manhattan. My future plans for this project is to add a machine learning algorithm to help predict future traffic flow.

### SIERPINSKI TRIANGLE

This project is written in python and consists of fractal triangles. This gets executed by picking a random point on the canvas and with turtle it draws the triangle. The python program uses recursion and the distance formula to draw the rest of the equilateral triangles giving this fractal effect.

### THE NANNY XENIA

This project uses WordPress as its main structure that takes the form of a generic website that I made to my client's specifications. This website is live and contains a self-made booking system where my client can receive emails and a text messages whenever someone books a meeting with them.

## EDUCATION

MATHEMATICS /COMPUTER SCIENCE, BACHELORS,  
MINOR IN LEADERSHIP STUDIES  
WESTERN WASHINGTON UNIVERSITY, BELLINGHAM  
Class of 2023