

Edgar Lopez

Front-end developer

Skills

Tools

Vector illustration (Figma, Affinity, Inkscape)
Raster image editing (Photoshop, Affinity, GIMP)
CAD (Autodesk Inventor, Solidworks)
Word, excel, publisher
R Studio

Programming

R
Python
Java
Javascript
Arduino
Command line
Git + Github

Web Development

Flask + Jinja
React JS
HTML/JSS
Markdown
Misc. frameworks (Bootstrap, Semantic UI)
NPM

Design

User research
Personas
Storyboarding
Journey maps
Prototyping

Education

University of Washington

Expected Graduation: 2022

Human Centered Design & Engineering (BS)
Department GPA: 3.79
Relevant coursework: Visual communication, advanced communication in HCDE, web technologies, computer programming 1 & 2, data programming, data & society, interactive systems design & technology, statistical reasoning

Bonney Lake High School

2018

Awards:

Washington State Honors Award for the 2018 graduating class
AP + PLTW Achievement in Engineering Award

Experience

React Web Developer

Synbio for Everyone Spring 2021 : Present

Collaborate with design team to improve websites appearance, usability, and accessibility

Design Research

Design awareness directed research group : Winter 2021

Participated in usability tests and co-design sessions

FIRST Robotics Chairman Award Presenter

Bonney Lake High School : January 2017 - June 2018

Organized and presented a summary of the teams community at each competition

FIRST Robotics Safety Captain

Bonney Lake High School: January 2016 - June 2018

Tasked with creating and maintaining a safe work environment
Share safety program with other safety captains and judges at robotics competitions

Career and Technical Education Ambassador

Bonney Lake High School: October 2016 - June 2017

Tasked with creating and maintaining a safe work environment
Promoted engineering courses and careers at elementary schools

National Honor Society, Volunteer Work

Bonney Lake High School

Elementary school dance - Helped set up, run, and clean up
- April 2018

Bonney Lake forest/park cleanup - Cleaned up garbage inside a nearby forested area - April 2018

Neighborhood trash cleanup - Picked up trash in neighborhoods around school - 2017

Beautify Bonney Lake - Cleaned up garden/lawn

surrounding fire department, planted trees - September 2017

Projects

Modular Planner

Web Technologies (HCDE 438) Winter 2021

Created a organizational web app with draggable components (such as calendars and sticky notes)

Built with React JS

Spotiboard

Interactive Systems Design & Technology (HCDE 310) Fall 2020

Designed a Spotify web interface with automatic lyric generation using the Spotify API and a lyrics API

Built with Flask + Jinja