

# Bao Nguyen

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## EDUCATION

### **Bachelor of Science in Computer Science and Systems**

**June 2022**

University of Washington Tacoma

## TECHNICAL KNOWLEDGE

Programming languages:	Java, Javascript, Python, PHP, HTML5, CSS3, SQL, R
Database:	MySQL
Web technologies:	React, Node.js
Version control systems:	Git, Apache Subversion
Other:	Data structures and algorithms, object-oriented programming, JUnit testing

## PROJECT EXPERIENCE

### **Road Rage** | March 2021

- Built in Java
- Implement interface and abstract class to create behaviors for 6 vehicle models
- Wrote unit test to test behaviors of a vehicle model.

### **COVID Resources Map** | October 2020

- Built in HTML5, CSS3, Javascript.
- Integrated Google Maps API to customize the COVID Resources Map.
- Collaborated with 4 other team members from 3 different countries at Dubhacks to build a website with interactive maps that show the free COVID testing sites and the locations that hand out free masks.

### **Warm Footprints Project** | February 2020 – March 2020

- Built in R and published on shinyapps.io by implementing R shiny library.
- Retrieved the data from ourworldindata.
- Collaborated with 3 other team members to analyze the birth rate and CO2 emission data around the world, processed it in RStudio, graphed the data, and then published the graph showing the correlation of birth rate and CO2 emission online.

### **EZ Trivia Game** | June 2019

- Created a Trivia game graphical interface using HTML5, CSS3 and Javascript.
- Built the back end of the game in PHP and used MySQL to store and update players' scores.
- Fetched questions and answers data from Jservice.io.
- More than 100 of my classmates have played the EZ Trivia Game.

## INTERESTS AND ACHIEVEMENTS

- Junior officer of HUSCII Coding Club.
- Vietnamese interpreter at Pleasant Valley Healthcare and Rehabilitation Center for 9 months.
- National Honor Society member at Sachse High School.