BENJAMIN ZHANG

bzhang0@cs.washington.edu

 bzhang0
 bzhang0
 (425)-647-0688
 bzhang0.github.io

EDUCATION

University of Washington *Expected Graduation: June 2024*
Bachelor of Science, Computer Science *Seattle, WA*
GPA: 3.97/4.0, Dean's List (all quarters)
Relevant Coursework: Calculus (I, II, III), Linear Algebra, Intro to Computer Science (I, II), Foundations of Computing (I, II), Data Structures and Parallelism, Hardware/Software Interface, Web Programming, Programming Languages

SKILLS

- **Languages:** Java, C/C++, HTML, JavaScript, CSS, React, TypeScript
- **Soft Skills:** Leadership, Communication, Teaching, Problem Solving, Self-motivated, Creative

EXPERIENCE

Developer *May 2021 – Present*
Impact++ *Seattle, WA*
- Engaging in CS for social good through **technical projects** supported by industry and nonprofit mentors
- Weekly meetings with five to seven other developers as well as technical project manager
- Onboarding project to be completed in **Fall Quarter 2021** to learn new skills in area of interest

Computer Science Instructor *July 2019 – August 2019*
Blaze Education *Redmond, WA*
- Instructed fundamental **Python** and **Java** programming concepts (loops, conditionals, variables) to 16+ students
- Planned and supervised daily activities to reinforce 21st Century Skills

Imagery Lead *December 2017 – June 2020*
FRC Team 2976 *Sammamish, WA*
- Directed a team of three to develop an **electronics configuration** for our 2019 Competition Robot
- Produced in-depth club **branding standards** and produced promotional videos for the team

PROJECTS

bzhang0.github.io *October 2020 – Present*
Personal Website *https://bzhang0.github.io*
- Personal website hosted through **Github Pages** to showcase projects and provide personal information
- Powered by **HTML** and **CSS** with plans to expand to a **full stack** system in the future

CLEARspeech *May 2021*
Husky Hackathon 2021 *https://tinyurl.com/uwCLEARspeech*
- CLEARspeech provides **personalized and emotionally augmented speech generation** and predictive text for those with speech and motor impairments so they can **communicate faster** and more naturally
- Awarded **1st Place Submission** in the Husky Hackathon for best all-around solution

Campus Paths *February 2021 – March 2021*
CSE 331 Final Project
- **Full Stack Web Application** designed to display the shortest path between two locations on the UW campus
- **Java back end** with DirectedGraph data structure and Dijkstra's least-weight path algorithm
- **React** and **TypeScript front end** combined with **React Bootstrap** for a presentable and clear display

HONORS & AWARDS

- Dean's List (September 2020 – August 2021)
- 1st Place Submission, Husky Hackathon (May 2021)
- FRC World Championship Winner (April 2018)