# 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, Washington*

**GPA: 3.97**, Dean's List (all quarters)

**Relevant Coursework:** Data Structures and Parallelism, Software Design and Implementation, Systems Programming, Hardware/Software Interface, Web Programming, Linear Algebra, Discrete Math

## 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, Washington*

- 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, Washington*

- 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, Washington*

- 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

**Algebra 1 Instructor** *July 2019 – August 2019*

*Mindsight Mentors* *Lynnwood, Washington*

- Taught **Algebra 1** to 20 middle/high school students from disadvantaged communities
- Created weekly lesson plans with practice problems and supplementary homework

## PROJECTS

**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

**Rewind** *March 2021*

*SASEhack 2021* *https://tinyurl.com/uwREWIND*

- Transcribes lectures in real-time and offers specialized tools for increased accessibility in class
- Front end created in **Figma**, back end powered by **Java** and **Google Cloud API**

## HONORS & AWARDS

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