

Michael Gu

michgu@cs.washington.edu | (541) 602-3288 | www.linkedin.com/in/mich-gu

EDUCATION

University of Washington *Seattle, WA* Sept 2022 - Present

Computer Science B.S.

GPA: 3.93

- Relevant Courses: Data Structures & Parallelisms, Hardware/Software Interface, Foundations of Computing I & II, Linear Algebra, Calculus I, II, and III

WORK EXPERIENCE

Oregon State University - Computer Graphics Lab Intern *Corvallis, OR* June 2021 - Nov 2021

- Designed a skeletal creation program for 2D models and implemented the As-Rigid-As-Possible mesh deformation technique under Dr. Yue Zhang.
- Gained proficiency in C++, OpenGL, Blender, Laplacian Surface Editing, and linked lists.
- Presented comprehensive research to graduate computer science students and a panel of local professionals and students, enhancing my computer graphics knowledge and public speaking skills.

Musicians For Humanity - Founder and Artistic Director *Corvallis, OR* Jan 2020 - Present

- Raised significant funds for humanitarian causes and global music education, notably during the pandemic.
- Orchestrated virtual and in-person fundraisers, creating platforms for local musicians.
- Established an online presence with a dedicated website and active social media outreach.
- Expanded MFH's reach by establishing branches in multiple local high schools, empowering the next generation of musicians.

PROJECTS

Velox (DubHacks 2023) - October 2023 - October 2023

- Tech solution disrupting and revitalizing how the customer support industry works via AI-generated support tickets
- Uses OpenAI, Google Cloud's Speech-to-Text, and T-Mobile's Your Number Anywhere APIs as well as Google Firestore
- Developed all critical backend components, designing code for Velox's AI/NLP capabilities and ticket cloud-integration
- Explored WebRTC technologies, learned to harness OpenAI's capabilities, and work with new API's in 24 hour timeframe

Trailblazer - May 2023 - Present

- iOS native app facilitating outdoor community members to connect, record, and share their adventures
- Uses precise GPS tracking services and a tailored, easy-to-use interface to store and display trailblazing sessions
- Utilizes Cloud Database Services, Apple SDKs (MapKit, UIKit, SwiftUI) to store recorded trails, community posts, and display them in a highly functional, user-friendly application
- Solo, full-stack development in Swift, gaining first-hand experience of SDLC principles and structured project work

Java Discord Bot (MichaelBot) August 2022 - December 2022

- Developed versatile Discord bot used by a 1000+ member community
- Implemented multiple functions in the backend, including a random quote generator, Rock-Paper-Scissors vs. Computer minigame, and various text commands tailored to client necessities

ACTIVITIES

DEV[0] @ UW - Founder/Co-Chair *Seattle, WA* October 2022 - Present

- Lead team of six executives/officers and approximately 50 members
- Arrange weekly administrative meetings, workshops, networking events, and hackathons
- Manage club events and ensure that activities align with DEV[0]'s core mission

COM² (Computing Community) UW - Member *Seattle, WA* Sept 2022 - Present

Skills

Programming Languages: Java, Swift, C++, HTML/CSS

Cloud-Based Databases: Google Firebase/Firestore, AWS S3

Other: iOS APIs (MapKit, UIKit, etc.), Git, Unit Testing, Data Structures and Algorithms, Agile Methodologies