

# Max Huang

Creative, motivated & tech savvy student,  
currently seeking internships and entry level positions

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College Station, TX, 77840



## Education

### Texas A&M University

- 2018 - Fall 2023

### B.S. Computer Science, Minor in Statistics

Major GPA 4.0   Overall GPA 3.5   Expected Graduation Fall 2023

### Coursework

- **Intro to Program Design in C++ :** Object Oriented Programming in C++, intro to Linked Lists
- **Discrete Structures in Computing :** Formal Logics, Algorithm Complexity, Proof by Induction, Directed Graphs
- **Principles of Statistics II :** Statistical Analysis of Data Sets using R
- **Engineering Mathematics II :** Calculus II, Mathematical Computing using NumPy & Python

## Skills & Qualifications

- **Development:** Proficient : **C++**   Familiar : **Java, Python, R, HTML, CSS**
- **Software Skills :** Proficient : **Adobe Creative Suite, Autodesk AutoCAD**   Familiar : **Git Hub, R studio, Cinema 4D**
- **Language Skills :** Native: **Chinese - Mandarin**   Familiar : **French, Japanese**
- **Other Skills :** Woodworking, Architectural Design, Graphics Design, Photography

## Projects

### KaraEcho Alexa Skill

[devpost.com/software/karaecho-karaoke-amazon-alexa-skill](https://devpost.com/software/karaecho-karaoke-amazon-alexa-skill)

- Alexa Karaoke Skill, removes vocal from any song on demand using machine learning
- Gcloud Flask server retrieves & processes song from streaming service (YouTube), then send to Alexa for playback
- Built with AWS Lambda, Gcloud, Flask

### Seam Carving

[github.com/MikeAlphaXray/Seam-Carving-cpp](https://github.com/MikeAlphaXray/Seam-Carving-cpp)

- Content Aware image scaling, scales image while preserving proportions of the subject
- Based on the paper presented at ACM SIGGRAPH 2007

## Awards

### ACC General Motors Personal Website Contest - 3rd Place

[mikealphaxray.github.io/](https://mikealphaxray.github.io/)

- Built Fully Responsive Personal Website with HTML + CSS

### Div Hack 2021 - Most Creative Award

- Built Augmented Reality app with SparkAR, App allows user to view 3d model in AR space on a mobile device

### TPEC Logo Design Contest - Winning Entry

- Hosted by Texas Power and Energy Conference, Design chosen for adoption and displayed at TPEC events

## Extracurriculars

### Clubs & Organizations

- **Aggie Coding Club** - Officer in Training   Currently on web development project team
- **Aggie Web Developers** - Member   Attended workshops, Intro to Version Control with GitHub
- **Society of Asian Scientists and Engineers** - Member   Attended workshops & meetings

### Hackathons

- **HowdyHack 2021** - 24 hour hackathon in team of 4, developed KaraEcho Alexa Skill, gained experience in AWS Lambda
- **Div Hack 2021** - 24 hour hackathon in team of 2, developed SparkAR Augmented Reality app

### Volunteering

- **Houston Food Bank** - Helped with Food Drives, Pantries, Food Sorting, Learned to operate a powered Pallet Jack