

Max Huang

Creative, motivated & tech savvy student, U.S. Citizen
Seeking internships and co-op positions

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Education

Texas A&M University **2018 - Fall 2023** **B.S. Computer Science** Dean's Honor Roll
• Major GPA 4.0 Overall GPA 3.5 Minor in Statistics, Cybersecurity Expected Graduation Fall 2023

Coursework

- **Data Structure & Algorithms :** Object Oriented Programming in C++, Time complexity, Graphs, Hashing
- **Intro to Machine Learning :** Parametric and non-parametric methods (KNN) in Python
- **Principles of Statistics II :** Statistical Analysis of Data Sets using R

Skills & Qualifications

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

Employment

- FlightSafety International** **Summer 2022** **Database Tools Intern**
- Developed and improved existing database & visualization tools for use by modelling and imagery team
 - Worked with satellite imagery & image processing, worked on 20+ year old legacy codebase
 - Gained experience in Perl, C++, Visual Studio

Projects

- KaraEcho Alexa Skill** 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
- 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
- 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

Extracurriculars

Clubs & Organizations

- **Aggie Coding Club** - Member Currently pursuing officer position
- **Society of Asian Scientists and Engineers** - Member Attended workshops & meetings

Hackathons & Volunteering

- **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
- **Grace Hopper Conference 2022** - Volunteer at Texas A&M CSCE Department booth, attendee
- **Houston Food Bank** - Warehouse volunteer, learned to use a pallet jack