

Minh Hoang

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education

Texas Christian University
B.S. Computer Science
Mathematics minor
GPA: 3.9, May 2018

skills

Languages: Java (proficient)
Swift, C, R Python, JavaScript
HTML/CSS

Web Application Tools:
Bootstrap, MySQL, Node.js
d3.js, Angular, Postman

awards

George Fassett SERC
Scholars: Awarded as one of
two students with excellent
undergraduate research

Internship Scholarship
Program: Awarded two times
for exceptional summer
internships

Spotlighted on Rice
University blog during
HackRice 2016

leadership

Vietnamese Student
Association - Logistic Chair
Programmed and oversaw a
cultural show with \$7000 in
funding for 3 months

projects

Ribbit (Feb 2016 – Present)

- Revise and improve an iOS Hearing Aid research by implementing Partitions of Unity to smooth out transitions between processed frames
- Construct a real-time implementation converting and modifying recordings back and forth from time into frequency domain with Fast Fourier Transform

Inspire (Sep 2016 – Present)

- Develop an iOS application that collects photos and generates a list of related songs to inspire photographers on the field
- Employ Clarifai API to recognize photos' moods to suggest songs, as well as Flickr, and 500px API to request photographs

Match (May 2015 – May 2016)

- Formulated an algorithm based on KNN for a recommendation system to weight people's similarities based on their characteristics and expectations
- Initiated the project, presented a poster at school's research symposium, and pitched the idea at NTASC

Strength Builder (Mar 2016)

- Developed a system that used Kinect to track stroke victims' movements and visualize their rehabilitation progresses on both a website and an Android app

work

Texas Christian University

Aug 2015 - Present

Research Assistant, Wireless Technology Lab

- Reduce the Gibbs effect and the artifacts caused by spectral leakages by manipulating sound buffers generated from FFT with special windows
- Co-author a research paper on digital signal processing

Hanoi Telecom Corporation

May 2016 – Aug 2016

Mobile Developer, HTE Technology Group

- Cooperated with outsourced developers to build a social media application based on voice messages on both Android and iOS devices
- Reduced real time sound processing delay of a mobile application by 28%

Hanoi Telecom Corporation

May 2015 - Aug 2015

IT Intern, HTS Technology Group

- Created monthly up to 10 mobile utilities usage visualizations with d3.js
- Coordinated a team of 32 interns to survey 10,000 mobile teenagers from various schools and universities in 4 provinces around Hanoi