# 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** (Press Link)

## 👥 leadership

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

## 🔧 projects

**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

**Strength Builder (Mar 2016)**
- Developed a system that used Kinect to track, store, and analyze patients' movements on Microsoft Azure.
- Created an Android and web application for users to quantify their rehabilitation progresses

**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

## 💼 work

**Texas Christian University**                                          Aug 2015 - Present
*Research Assistant,* Wireless Technology Lab
- Revise and improve a three-year-old iOS Hearing Aid research by implementing Partitions of Unity to smooth out transitions between processed frames, and then compress them into appropriate dynamic range
- Construct a real-time implementation converting and modifying recordings back and forth from time into frequency domain with Fast Fourier Transform

**Hanoi Telecom Corporation**                                          May 2016 – Aug 2016
*Mobile Developer*, HTE Technology Group
- Corporated 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 in various schools and universities