

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

Software Engineering:
Emergent Leadership, Good
Coding Practices, Effective
Java Design Patterns

awards

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

**Internship Scholarship
Program** (Summer 2015 &
2016): Awarded for
exceptional summer
internships

**Spotlighted on Rice
University blog during
HackRice 2016** (Press [Link](#))

projects

DistinctSound: Hearing aid iOS application that uses Fast Fourier Transformation and various mathematics models to manipulate certain sound frequencies Swift
Node.js

Strength Builder: System that uses Kinect to track patients' movements, allowing them to be able to quantify their rehabilitation progress Android
Kinect
Azure

Match: Recommendation system with weighted attributes that matches students with faculties based on their similarities and expectations Java
JavaFX

MHCalculator: Scientific calculator with graphing functionalities Swift

Battle Ship: Console text-based game with AI Assembly

work

Hanoi Telecom Corporation May 2016 – Aug 2016
Mobile Developer, HTE Technology Group

- Corporated with outsourced developers to build a social media application based on recordings
- Reduced real time sound processing delay of a mobile application by 28%

Texas Christian University Aug 2015 - Present
Lab and Research Assistant, Wireless Technology Lab

- Implemented algorithms to filter, amplify certain sound frequencies, and then compress them into appropriate dynamic range
- Formulated an algorithm to weight people's similarities based on their characteristics and expectations

Hanoi Telecom Corporation May 2015 - Aug 2015
IT Intern, HTS Technology Group

- Analyzed over 500,000 Vietnamese mobile users and predicted trends by various data mining techniques
- Created monthly up to 10 interactive visualizations with d3.js to report mobile utilities usage
- Coordinated a team of 32 interns to survey 10,000 mobile teenagers in various schools and universities