



MAI P. TRINH

Computer Science Undergraduate Student

SUMMARY

- ◆ An honors student with exceptional academic achievement and extracurricular success
- ◆ Extensive research experience with knowledge in professional communication and writing skills
- ◆ Excellent teamwork through interdisciplinary collaboration with students from different major, with faculty and mentors.
- ◆ Have basic knowledge in vast array of computer skills including programming languages, web development, databases, virtual reality.

CONTACT

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EDUCATION

Midwestern State University, Wichita Falls, TX
Bachelor of Science, Computer Science
August 2016 – May 2020
Minor: Mathematics
GPA: 4.0 with Honors recognition

PROFESSIONAL EXPERIENCE / VOLUNTEER

Midwestern State University | Student Assistant *August 2018–Present*

- ◆ Act as a lab assistant at MSU computer labs.
- ◆ Assists students with computer and printer troubleshooting

MSU EURECA | Undergraduate Research Assistant *August 2018–Present*

- ◆ Work with mentors on a particular research project
- ◆ Presents research project at regional and national conference
- ◆ Gains professional research experience
- ◆ Applies knowledge of C#, PHP, database MySQL, web development HTML, CSS into different projects
- ◆ Receives a stipend including scholarship, funding for material supplies

CCSC: SC Regional Conference | Student Presenter *April 2019*

- ◆ Presents research project "Programming Your Heart" at Student Posters Display Session.
- ◆ Attends several Professional Paper Sessions

NTASC | Presenter & Student Assistant *April 2019*

- ◆ Presents project "Hearing Test Converter" as part of final project for Software Engineering course
- ◆ Assists professors and students with registration process

Virtual Reality Research Group *August 2017–December 2017*
Mentor: Dr. Tina Johnson

- ◆ Develop applications for the Oculus Rift VR headset
- ◆ Hands-on experience in programming C#
- ◆ Showcase the research at multiple events such as the Texoma Mini Maker Faire, and MSU Science Café.

SKILLS

Programming Languages:

C++, C#, Python, HTML5, CSS3, JavaScript, jQuery, PHP, Assembly Code, VHDL.

Web Development: NodeJS, Bootstrap 4.

Databases: MySQL, MongoDB.

Development Tools: Unity3D, Visual Studio and VS Code, GitHub, Altera Quartus, MATLAB, Trello, NetLogo.

Languages: Proficient in English and Vietnamese.

RELEVANT COURSES

- ◆ Data Structures and ADT
- ◆ Computer Architecture
- ◆ Discrete Structures and Analysis
- ◆ Advanced Structures and Algorithms
- ◆ Operating System
- ◆ Logic Design
- ◆ Software Engineering
- ◆ Object-Oriented Programming
- ◆ Platform Based: Internet Programming
- ◆ Theory of Computation
- ◆ HCI
- ◆ Contemporary Programming Language (Python and Java)

RESEARCH EXPERIENCE / PROJECT

EURECA Research Project

August 2019–Present

Evaluating the Correlations of Pure-tone Hearing Test and Speech Recognition Test to Provide a Universal Measure for the Cochlear Implant Industry

Mentor: Dr. Patrick Mitchell

- ◆ Aims to derive a correlation between various hearing tests
- ◆ Processes large amounts of data by extracting queries from MySQL
- ◆ Develops data visualization and analysis skills through learning Wolfram Mathematica and writing PHP scripts
- ◆ Develops communication skills through writing a thesis proposal

EURECA Research Project

August 2018–December 2018

Programming Your Heart

Mentor: Dr. Tina Johnson

- ◆ Aims to create an interactive 3D human heart in VR
- ◆ Develops professional writing skills through thesis, abstracts and reports
- ◆ Implement zoom-in/out and disassemble functionalities, apply animation for virtual heartbeat, import internal diagram of the heart, implement point-and-click for information of heart chambers.
- ◆ Programs in C# using Unity and Oculus Go
- ◆ Interdisciplinary collaboration with nursing students

Big Blue Summer Computing Institute

May 2018

PokeBot- Summer Study Program

- ◆ Gained hands-on experience with ASP.NET programming
- ◆ Integrated applications using Zapier.
- ◆ Created PokeBot, a channel on Discord that sends message to a PokeAPI using Webhook, then return Pokemon's information to Discord in response to a particular command.

COLLEGIATE AWARDS / ACTIVITIES

Upsilon Pi Epsilon Honor Society [Member]

Spring 2019

Outstanding student that meet academic standards of excellence in the field of computing. Induction by invitation.

Pi Mu Epsilon Mathematics Honor Society [Member]

Spring 2019

Student who successfully pursue mathematical understanding with GPA of at least 3.0 will be invited by the local chapter.

Top 3 Finalist for MSU Outstanding Junior Women Award

Spring 2018

Alumni Association Award for Outstanding Honor Student

Spring 2018

Redwine Honors Program [Member]

Fall 2017 - Present

Honors Program that is designed to bring out the best in academically talented students through upper-level interdisciplinary courses.

Association of Computing Machinery [Member]

Fall 2016 - Present

A member of the world's largest educational and scientific computing society. Attending regular meeting, and events to promote the chapter.

President's Honor Roll

Fall 2016 - Present

Student who completes 12 hours in a semester with no grade lower than A (4.0).