

## ETHAN NGUYEN

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### EDUCATION

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**Texas Christian University**, School of Engineering Fort Worth, TX  
Bachelor of Science May 2027  
Major(s): Computer Science, Minor(s): Mathematics Current GPA: 4.0  
*Relevant coursework:* Algorithms, Data Structures, Software Development, Calculus, Discrete, Linear Algebra.  
*Honors/Awards:* Texas Christian University Founder Scholarship, Texas Christian University International Student Grant, Dean's list 2023

### TECHNICAL SKILLS

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- Languages: Python, Java, C++, JavaScript, HTML, CSS
  - Databases: SQL, MongoDB (No-SQL Database)
  - Tools: VS code, IntelliJ, Adobe Illustrator, Adobe Photoshop, Microsoft Office, Power BI
  - Design Thinking: [VSA Instagram post](#), [GDSC Instagram post](#), [Drawing portfolio](#)

### EXPERIENCE

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**Computer Lab Assistant**, Fort Worth, Texas October 2023 – Present

- Instructed 20 students per day in lab usage and troubleshooting.
- Managed and solved technical issues with lab devices.
- Oversaw printing submission data management by using the Pharos application for lab users.

### PROJECTS

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**Portfolio Website - HTML 5, CSS, JavaScript** Dec 2023 – Present

- Developed a visually appealing interface using CSS with media queries for compatibility with mobile browsers.
- Implemented functional elements using HTML 5 and ensured cross-browser compatibility.
- Enhanced user experience through JavaScript functionalities.

**Cryptoquote-Helper – Java, AWT, Swing** March 2024 – Present

- Designed a user-friendly interface using AWT and Swing for seamless interaction.
- Implemented Java functionalities to decode encrypted text based on user input.
- Provided efficient solutions for deciphering exchanged letters.

**IoT with Raspberry Pi – Python, MongoDB, SQL** July – August 2022

*Project held by the University of Technology in Ho Chi Minh City.*

- Utilized the NumPy library to support large, multi-dimensional arrays and matrices to store device status information.
- Performed digital input or output functions using GPIO for the application running experiments.
- Gained experience using SQL server and No-SQL Database (MongoDB).

### LEADERSHIP AND COMMUNITY EXPERIENCE

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**Google Developer Student Clubs**, Fort Worth, Texas January 2024 – Present

*Non-technical Project lead*

- Led and executed PR campaign throughout Texas Christian University campus and social media.
- Designed captivating posters and organized engaging events with Google developers.

**Vietnamese Student Association**, Fort Worth, Texas August 2023 – Present

*Board in Promotion Relation*

- Led and executed PR on social media platforms.
- Designed captivating posters and videos to enhance visibility.