YEN HAI PHAM

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EDUCATION

Ph.D. in Computer Science, Fall 2022 – Present
University of North Texas, Denton, TX • GPA: 4.0/4.0

M.S. in Computer Science (Data Engineering), Fall 2020 – May 2022
University of North Texas, Denton, TX • GPA: 4.0/4.0

B.S. in Computer Science, June 2018 – May 2020
University of North Texas, Denton, TX • GPA: 4.0/4.0

B.S. in Fashion Merchandising, August 2013 – December 2016
Minor: General Business
Texas Christian University, Fort Worth, TX • GPA: 3.4 (Major: 3.7)

ACADEMIC ACHIEVEMENTS

- New Graduate Student Scholarship – College of Engineering, UNT (2020–2023)
- Dean's List – Texas Christian University (2015–2016)
- Dean's Scholarship – Texas Christian University (2013–2016)
- Achievement, Merit & Leadership Scholarship – GRCC (2012–2013)

SKILLS

Programming: C/C++, Java, Python, HTML, JavaScript, TSQL/PSQL, Matlab, OpenGL, WebGL
Software: Excel (Expert), Word, PowerPoint, Access, SharePoint, Visual Studio
Design: Adobe Illustrator, InDesign, Photoshop, Animation
Other Tools: SPSS, KaledoStyle, Lawson PLM, AutoDesk AutoCAD 2015

EXPERIENCE

IT / Big Data / Analytics Intern, American College of Emergency Physicians, Irving, TX
March 2021 – September 2021

- Processed and analyzed healthcare data for CEDR dashboards.

- Developed a Python-based automated email system.

Instructional Assistant / Grader / Teaching Assistant, College of Engineering, UNT
September 2020 – Present

- Assisted instructors with remote Q&A and student support.
- Developed test cases, answer keys, and graded assignments and projects.

Student Assistant, International Students & Scholars Services Office, UNT
December 2018 – February 2020

- Supported international students with inquiries and documentation.
- Managed scanning, dispatching, records, scheduling, and file organization.

RESEARCH ACTIVITIES

3D Human Motion Tracking & Graph Neural Networks, UNT
Professor Xiaohui Yuan, 2023 – Present

- Conduct research in 3D human pose and motion estimation using graph-based deep learning.
- Developed **Graph Attention Fusion Network (GAFN)** integrating spatial–temporal attention for robust 3D motion tracking.
- **Paper accepted at WACV:** *Graph Attention Fusion Network for 3D Human Motion Tracking* (2025).

Cybersecurity in Additive Manufacturing, UNT
June 2022 – August 2022

- Built machine learning models to detect cyber threats in additive manufacturing pipelines.
- Performed benchmarking and collaborated with a hardware team to integrate detection results into an active protection system.

RESEARCH INTERESTS

Computer vision, 3D human pose & motion estimation, image processing, human–computer interaction, emotion & activity recognition, natural language processing, healthcare applications, and gaming technologies.