THANAPAT BUTSAI

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EDUCATION

Kasetsart University   **2021 - 2025**
Bachelor of Science, Major in Computer Science   *Bangkok, THA*

Horwang School   **2017 - 2020**
Science, Technology, Engineering, and Mathematics (STEM)   *Bangkok, THA*

TECHNICAL SKILLS

- **Programming Languages:** Python, Java
- **Frameworks & Tools:** Spring Framework, React, Mediapipe
- **Machine Learning & AI:** Scikit-learn, PyTorch
- **Version Control:** Git
- **Database Management:** MySQL

WORK EXPERIENCE

Yuan Ze University   **September 2024 - January 2025**
Research Assistant Intern   *Taoyuan, TPE*

- Conducted research on 3D Object-Level Classification, analyzing the internal structures of 3D models.
- Developed a robust pipeline for data preprocessing, feature extraction, and 3D object validation using Python, Trimesh, and PyTorch.
- Optimized and implemented machine learning and deep learning models for 3D model classification tasks.

PROJECTS

Visual Try-On Web Application - Senior Project

- Developed a progressive web application for 3D glasses try-on, integrating face tracking and rendering.
- Tools: React, Mediapipe, .OBJ models, Express.js.

Apple Stock Forecasting

- Applied machine learning techniques to predict Apple's stock performance.
- Tools: VSCode, Matplotlib, NumPy, Pandas, Scikit-learn, Google Colab.

Crownseal Maintenance Web Application

- Designed and built a maintenance reporting web application, focusing on system analysis and software construction.
- Tools: Java Spring Framework, MySQL, UML, Business Process Diagrams.

Food Ordering Website

- Developed an automated food ordering platform with testing and deployment pipelines.
- Tools: Jira, Java Spring Framework, Selenium, Docker, MySQL.

E-Commerce Marketplace Software

- Built a JavaFX-based e-commerce application with version control and collaboration features.
- Tools: IntelliJ IDEA, JavaFX, Git.

ADDITIONAL INFORMATION

- Salesforce Trailblazer Rank: Mountaineer (72,175 Points)
- Languages: Thai (Native), English (Intermediate - CEFR B1)
- Website: tanapatbutsai.github.io