TAN THIEN TRAN
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EDUCATION

Bachelor of Pharmacy Sep 2012 – Aug 2017
University of Medicine and Pharmacy in Ho Chi Minh City GPA: 6.7/10

Master of Science in Clinical Pharmacology Sep 2018 – Nov 2020
University of Medicine and Pharmacy in Ho Chi Minh City GPA: 8.1/10

Bachelor of Information Technology Dec 2019 - Mar 2022
University of Science, Ho Chi Minh City GPA: 8.7/10

WORK EXPERIENCE

Bioinformatics Analyst Ho Chi Minh, Viet Nam
Vingroup Big Data Institute, *Department of Biomedical Informatics* May 2021 – Present
- Illumina GSA microarray analysis for genetic testing.
- Data crawling, processing and analysis.
- Database building.
- Build data pipeline to generate genetic testing report from raw genetics data.
- Analysis of hereditary breast and prostate cancer variants in 1000 Vietnamese genomes.

Clinical Pharmacy Master Student Ho Chi Minh, Viet Nam
Thong Nhat Hospital, *Department of Pharmacy* Oct 2018 – Aug 2020
- Evaluate drug use for peritonitis patients.
- Assess response and adverse drug reactions.
- Optimize drug administration for each patient based on individual conditions.

TECHNICAL SKILLS

Programming Language: Python (Advanced), R (Advanced), C# (Intermediate), Javascript (Intermediate), PHP (Intermediate).

Data Science Framework: Pandas (Advanced), Matplotlib (Advanced), Scikit-learn (Intermediate), TensorFlow (Intermediate), PySpark (Intermediate).

Other Skills: SQL (Intermediate), Selenium Webdriver (Advanced), ReactJS (Intermediate), Git (Intermediate), Amazon Web Services (Basic), Docker (Basic).

CERTIFICATIONS

Coursera

- Deep Learning Specialization, *DeepLearning.AI*
- AI for Medicine Specialization, *DeepLearning.AI*
- Machine Learning Certificate, *Standford Online*
- Convolutional Neural Networks in TensorFlow, *DeepLearning.AI*
- R Programming Certificate, *Johns Hopkins University*
- Algorithm for DNA Sequencing, *Johns Hopkins University*

Udemy

- The Complete 2022 Web Development Bootcamp

University of Science, Ho Chi Minh City

- Applied Machine Learning Certificate

RESEARCH EXPERIENCE

Pharmacogenomics

Analysis of deleterious variants in Vietnamese for drug metabolism. Crawling data from Drugbank.com, making Sankey diagrams to show the relationship between variants and drugs in different stages of drug metabolism.

Investigation in the treatment of Intra-abdominal infections at Thong Nhat Hospital at Ho Chi Minh City.

Identify research objective and design research model, collect data and transfer data from the patient's medical record into excel files, using R and Python for processing and analysis: patient's microbiological model, doctor's surgical methods, antibiotics for patients, factors affecting the patient's hospital stay, and data modeling**.**

PUBLICATIONS

- Pharmacogenomics profiling of 1000 Vietnameses of Kinh ethnic. Manuscript on preparation.
- Vo Duy Thong, **Tran Thien Tan** (2021): "Effectiveness of antimicrobial stewardship program on treatment of peritonitis at a hospital in Ho Chi Minh City", *Viet Nam Medical Journal*, 500 (1), March 2021, p. 169-174.
- Vo Duy Thong, **Tran Thien Tan** (2021): "Effectiveness of antimicrobial stewardship program on treatment of cholecystitis at a hospital in Ho Chi Minh City", *Viet Nam Medical Journal*, 498 (1), January 2021, p. 202-207.
- Vo Duy Thong, **Tran Thien Tan**, Bui T Huong Quynh (2020): "Investigation in the treatment of Intra-abdominal infections at Thong Nhat Hospital", *Viet Nam Medical Journal,* 495 (2)*,* October 2020*,* p. 288-292.

REFERENCES

Contact me, I will send you my full CV with references, Thanks you for watching!