

# Thanh-Giang Tan Nguyen

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## EDUCATION

**Tan Tao University (TTU) (2018-2022)**  
**Major: Data Science in Biomedicine (100% using English)**  
**Current GPA: 3.55/4**

## RESEARCH INTEREST

Gene expressions, DNA methylation, survival analysis and modeling for classifications and regression task, cancer progression

## WORK EXPERIENCE

### 1. Part-time Media Collaborator (2019) :

Create the contents and translate into English at TTU- Media Department.

### 2. Data analyst (2019) :

+ Collect, process and analyze survival analysis in breast cancer metastasis to lung at TTU (2019)  
+ Collect, process and analyze gene expressions associated with salt tolerance level in rice at TTU (2020)

### 3. Research Assistant (2020-present):

+ Collect, process and analyze the gene signature to predict the prognosis of Covid-19 patients under the supervision of Dr. Minh-Nam Nguyen at Vietnam National University, School of Medicine (2021)

## CERTIFICATIONS

Coursera (2020):

1. Capstone: Retrieving, Processing, and Visualizing Data with Python
2. Using databases with Python.
3. Using Python to Access Web Data.

## HONORS & AWARDS

1. Runner up in Seminar: "Covid-19 and Applications". The Youth Science and Technology Development Center - Thanh Doan City. Ho Chi Minh City( 2021).

+ Collect, process and build the models for early detection in prostate cancer using miRNA in serum under the supervision of Dr. Minh-Nam Nguyen at Vietnam National University, School of Medicine (2022-present)

+ Process and build the regression models from smart phone images and videos to predict the concentration of nano material solutions and their target compounds, collaborated with Vietnam Academy of Science and Technology, Chemistry Institution with Dr. Thanh-Danh Nguyen (2021- present).

+ Collect, process and analyze the correlation between gene expression and methylation level in breast cancer through interaction of promoter and enhancer under the supervision of Dr.Phuc-Loi Luu, Garvan Medical Institution, Australia (2020-present)

4. Web Application Technologies and Django.

5. Python Data Structures.

6. Create a Database with the Modeling Tool in MySQL Workbench.

## SKILLS

### Language

English (EF SET C1 Advanced ~ 6.5 -7.5 IELTS)

### Tools

Word, Excel, Powerpoint, Google Data Analytic, Google Data Studio,...

### Data Modeling

Data Modeling For Classifications and Regressions

## CONFERENCES AND PUBLICATIONS

1. **Thanh-Giang Tan Nguyen**, Thach Nguyen, Minh-Nam Nguyen, Dinh-Truong Nguyen. Building a prognosis model of a seventeen-gene signature to predict breast cancer metastasis to lung (2019). 2nd Vietnam Biology Conference ICISE- Quy Nhon.

2. **Thanh-Giang Tan Nguyen**, My-Hanh Thi Huynh, Dinh Chung Do, Dinh-Truong Nguyen. Data Analysis Identified A Seventeen-Gene Signature Associated With Salt Tolerance In Several Varieties Of Rice (2020). 3rd Biology Conference ICISE- Quy Nhon.

3. **Thanh-Giang Tan Nguyen**, Thanh-Dat Nguyen, Tam-Vy Le, Ngoc-Minh Truong, Thanh-Van Ngo, Dinh Truong Nguyen, Minh Nam Nguyen. (2021). Prediction of severity of COVID-19-infected patients using CD24-CSF1R index. "Covid-19 and applications Seminar.

4. Quynh Hoa Tran, Van Thai Than, Phuc Loi Luu, Declan Clarke, Hanh Ngoc Lam, **Thanh-Giang Tan Nguyen**, Dinh-Truong Nguyen, Phan Q. Duy, Dung Phung, Minh Nam Nguyen. (2021). A Novel Signature Predicts Recurrence Risk and Therapeutic Response in Breast Cancer Patients. International journal of cancer.

## REFERENCES

Phuc-Loi Luu,  
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Garvan Institute of Medical Research, Sydney, Australia.  
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Minh-Nam Nguyen,  
Lecturer  
School of Medicine - VNU-HCM  
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