

Chau Pham Minh

Ph.D. Student at TTU

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◦ DoB: Sep 7th 1995



RESEARCH INTERESTS

- Data Mining, Machine Learning, Explainable AI, Data Visualization, and their applications.

EDUCATION

- Texas Tech University (TTU) (2020 - now)
 - Ph.D. in Computer Science
 - Research Assistant at Interactive Data Visualization Lab
- Ho Chi Minh City University of Technology (HCMUT) (2013 - 2018)
 - Bachelor of Engineering in Computer Science (**Honor Program**)
 - Relevant Courses: Data Mining, Artificial Intelligence, Machine Learning, Computer Graphics
- Quoc Hoc - Hue High School for the Gifted, Vietnam (2010 - 2013), specialized in Maths

WORK EXPERIENCE

- 9/2018-1/2020 **R&D Data Scientist at VNG, Ho Chi Minh, Vietnam.**
- Defining problems and proposing tech solutions
 - Analyzing daily logs from multiple sources
 - Building Machine Learning models to help business decision-making problems and controlling their pipelines
- 1-9/2018 **IT Management Trainee at Prudential Vietnam Assurance.**
- Having different roles and responsibility to get the whole picture in software development
 - Understanding what and how IT can help to improve the business
- 6-11/2016 **Data Scientist at VNG, Ho Chi Minh, Vietnam (Intern).**
- Detecting anomaly points in time series
 - Applying fundamental machine learning and data mining models in business

RESEARCH EXPERIENCE

- 4/2017 - 1/2018 **An improvement in HOTSAX algorithm with Squeezer algorithm.**
- An efficient algorithm for discord discovery in streaming time series based on segmentation and incremental clustering.
- **Publication:** Pham Minh Chau, Bui Minh Duc, Duong Tuan Anh, *Discord Discovery in Streaming Time Series based on an Improved HOT SAX Algorithm*, **Proc. of Ninth International Symposium on Information and Communication Technology, ACM**, Da Nang City, Vietnam, December 06-07, pp. 24-30, 2018 ([link](#))

9/2016 - 4/2017 **Discord Detection in Streaming Time Series with the Support of R-Tree.**

Proposed a version of Heuristic Discord Discovery algorithm for efficient discord detection in static time series and streaming time series

◦ **Publication:** **Pham Minh Chau**, Bui Minh Duc, Duong Tuan Anh, *Discord Detection in Streaming Time Series with the Support of R-Tree*, **Proc. of 2018 International Conference on Advanced Computing and Applications, IEEE**, Ho Chi Minh city, Vietnam, November 28-30, pp. 96-103, 2018 (link)

SKILLS

- **Languages:** Vietnamese (mother tongue), English (**IELTS 7.5**)
- **Programming Languages:** *Python, R, C/C++, Java*
- **Technologies & Frameworks:** *Linux, Git, Spark, MLflow, Pandas, Sklearn, Featuretools*
- Good knowledge in Machine Learning techniques such as regression, boosting, and neural network
- Comfortable with reading papers and doing research
- Solid knowledge in algorithms and data structures

HONOR AND AWARDS

- **Outstanding Employee** for remarkable contribution in IT department by *Prudential Vietnam Assurance* (2018)
- **Scholarship for Excellent Student in Academic Year 2017-2018** by *HCMUT*
- **Top 10 in Entropy - Data Mining Competition** (2016) held by *John Von Neumann Institute*
- **Runner-up in Facebook Vietnam Hackathon** (2016) held by *Facebook*
- **Consolation prize in Maths Olympic for Excellent High School Students in Northern & Central Vietnam - Ha Long city** (2011)
- **First Honor Student: Highest Maths Score in the Entrance Exam of Quoc Hoc - Hue High School for the Gifted** (2010).

EXTRA ACTIVITIES

- Member at *Drink and Talk English Club* and *Badminton Club* (2017 - present)
- Counselor for *Spring Volunteer Campaign* (2016)
- Counselor for *Nhip Cau Tuong Lai 6* - a program helping high school students to choose universities (2015)

REFERENCE

Assoc. Prof. Duong Tuan Anh, Ph.D - Lecturer at HCMUT

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Mr. Tran Cong Thien Qui - R&D Lead, VNG Corporation

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