Minh Triet Pham

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Education

The University of Melbourne — Melbourne, Australia
Bachelor of Science in Data Science, WAM: 83.286/100 — *Expected Nov. 2026*

- **Relevant Coursework**: Data Processing, Databases, Data Structures & Algorithms, Object-Oriented Programming, Probability, Statistics

Technical Skills

Programming Languages: Python, SQL (MySQL), HTML/CSS/Javascript
Data Analysis & ML: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, NLTK, BeautifulSoup
Developer Tools: Git (GitHub/GitLab), Visual Studio Code, PyCharm, Jupyter Notebook

Experience

FutureTrack — Jan. 2025 – Apr. 2025
Data Analyst | Python, Pandas, Scikit-learn, Matplotlib — *Melbourne, Australia*

- Built predictive models achieving 90% accuracy by implementing machine learning algorithms using Scikit-learn
- Structured and cleaned raw data from 150+ websites by developing web scraping pipelines with BeautifulSoup
- Created comprehensive visualizations for 40+ majors by designing data-driven dashboards with Matplotlib
- Delivered business intelligence to 200+ students by building responsive career guidance platform with HTML/CSS/JavaScript

Quy Chan Joint Stock Company — Nov. 2024 – Feb. 2025
Data Science Intern | SQL, Python, Pandas, Scikit-learn — *Hanoi, Vietnam*

- Enhanced predictive model accuracy by 7% by cleaning and processing 5,000+ datasets using Pandas and NumPy
- Improved business decision-making by 12% by developing predictive models using Scikit-learn
- Increased data quality score by 20% by implementing SQL-based data pipelines and JSON transformation workflows

Projects

Australian Accident Investigation | Link | *Python, Pandas, Matplotlib, Scikit-learn, Seaborn, NLTK*

- Structured and cleaned 500,000+ accident records achieving 95% data integrity using Pandas and regex
- Built predictive risk models identifying 3 critical accident factors using Scikit-learn correlation analysis
- Generated comprehensive reports with data visualizations using Seaborn and Matplotlib for safety recommendations
- Analyzed text patterns in accident descriptions using NLTK BoW analysis to identify high-risk scenarios

NBA Serious Injury Analysis | Link | *Python, Pandas, Scikit-learn, Matplotlib*

- Analyzed 12 years of NBA injury data (2010-2021) identifying serious injury patterns using Pandas
- Built predictive injury models using player metrics (height, weight, minutes played) with Scikit-learn algorithms
- Generated risk assessment visualizations for player injury probability using Matplotlib dashboards
- Discovered key correlations between minutes played and physical conditions affecting injury risk through statistical analysis

Aircraft Boarding Optimization | Link | *Python, NumPy, Matplotlib*

- Developed simulation models processing 10,000+ boarding scenarios with 1-minute accuracy using Python
- Optimized aircraft turnaround algorithms reducing boarding time by 15% through mathematical modeling
- Created actionable business insights from 5,000+ data points using NumPy and Matplotlib visualizations

Honors & Awards

Melbourne International Undergraduate Scholarship | The University of Melbourne — May 2023
Meritorious Prize | International Mathematical Modeling Challenge — Jul. 2022
High Distinction | Australian Intermediate Mathematics Olympiad — Sep. 2021