



Doungporn (Sam)  
Wiwatnapataphee



A PhD student in mathematics and statistics at Curtin University, Western Australia. Currently working on how to automate and optimise blockchain applications in energy sector. Highly organised and detail-oriented data scientist with an experience in research. Skilled in using Python and R for data management, visualisation, analysis and prediction using ML/AI. Keen on cloud-based web development and applications.

PhD Student in Maths & Stats  
Data Science Graduate  
Actuarial Science Graduate

Perth, Western Australia  
Bangkok, Thailand

Languages: Thai (Native), English

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## \* Skills

Data Mining & Visualisation



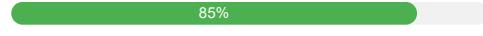
Machine Learning



Statistical Analysis



Web Development



## ⚙️ Technical

Python & R



HTML, CSS, JavaScript



Unix, Shell, Linux



Solidity, SQL



C/C++, Tableau



## กระเป๋า Work Experience

### Sessional Academic / Curtin University

July 2023 - Current

Perth, Western Australia

- Teaching the Foundations of Calculus workshop for Semester 2, 2023

### Intern Researcher / Thanachart Insurance PCL

Dec 2018 - Feb 2019

Bangkok, Thailand

- Conducted research on risk analysis and management, customer retention, and renewal rates for motor insurance using advanced statistical methods
- Developed insurance dashboards using Tableau that outline a company's key performance indicators(KPIs), which makes it easier to access, monitor, and get actionable insights

### Research Assistant / Curtin University

Feb - Nov 2018

Perth, Western Australia

- Carried out research on bridge structural analysis, involved solving differential equation using Finite Element method

## 🏛️ Education

### Curtin University

Jan 2022 - Current

Doctor of Philosophy - Mathematics and Statistics

### The University of Western Australia

July 2019 - June 2021

Master of Data Science with Distinction

### Curtin University

Feb 2016 - Dec 2018

Bachelor of Science (Actuarial Science)

## 🏛️ Awards & Achievements

Research Training Program (RTP) Scholarship 2022 - Current, Curtin University

SAE Summer Scholarship 2018, Curtin University

Certificate of Excellence for Science & Mathematics 2015, Engineers Australia, WA

Certificate of Distinction 2013, Royal Australian Chemical Institute

Certificate of Completion "Statistical Tools for Risk Modelling" 2018, Actuarial Science, Thammasat University

Certificate of Completion "Learning Python" 2019, LinkedIn

Certificate of Completion "Python Essential Training" 2020, LinkedIn

Actuaries Institute foundation program exemption of CT1 Financial Mathematics; CB1 Business Finance; CS1 Actuarial Statistics; CB2 Business Economics; CM2 Financial Engineering and Loss Reserving