

Albertus Erwin Susanto

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SKILLS

- **Data Science & AI Certificates:** Harvard DS Professional Certificate, IBM DS Professional Certificate
- **Programming Languages:** R, Python, SQL
- **Machine Learning & LLM:** Supervised, Unsupervised Models
- **Data Visualization Tools:** Flourish, R, Plotly, Canva
- **Languages:** English (IELTS 8, TOEFL iBT 104/120), Chinese, Indonesian, French

PROJECTS

- **Movie Recommendation Machine Learning Project:** Developed a movie recommender system as the capstone project for the Harvard Data Science Professional Certificate Program. The system predicted user ratings with a root mean squared error (RMSE) of 0.80.
- **Red Wine Quality Classification Machine Learning Project:** Created a machine learning model to classify red wine quality as part of the Harvard Data Science Professional Certificate Program. Implemented and compared the performance of various models, including Logistic Regression, K-Nearest Neighbors (KNN), Support Vector Machine (SVM), and Random Forest.
- **ASEAN Smart City Network Impact Causal Analysis:** Conducting a causal analysis on the ASEAN Smart City Network's impact on urban development as part of my thesis research. The findings will be developed into a dashboard for continuous monitoring and evaluation of this regional initiative.

PROFESSIONAL EXPERIENCE

- **Kompas R&D** Jakarta, Indonesia
Researcher, Data Analyst, Illustrator *March 2020 – Present (Part-time)*
 - **Research:** Conduct in-depth research on diverse topics, including Indonesia's industrial upstreaming policy, energy transition, data and AI. Regularly publish findings on *Kompaspedia*, an online research platform.
 - **Data Analysis:** Analyze and interpret datasets to deliver actionable insights for institutional research needs.
 - **Visualization:** Develop graphs and visual illustrations to enhance public understanding and engagement with research outputs.
- **Coordinating Ministry for Maritime Affairs and Investment** Jakarta, Indonesia
Consultant *August 2021 – September 2022*
 - **Policy Consultation:** Served as a consultant for the Secretariat of High-Level Dialogue and Cooperation Mechanism between Indonesia and China in investment and collaborative projects.
 - **Administration:** Facilitated inter-ministerial collaborations, organized bilateral meetings and working visits, hosted business matching forums and focus group discussions.
 - **Language Services:** Acted as a Chinese-English-Indonesian interpreter for meetings and translated key documents.
- **Xavier High School** Federated States of Micronesia
Teacher *August 2021 – September 2022*
 - **Ethics, Latin, French A1, Chinese HSK 1-3:** Taught multiple subjects (using English as medium) to a diverse student body. Collaborated with an international faculty from the US, Australia, Japan, Singapore, the Philippines, gaining valuable experience in youth education and cross-cultural collaboration.
 - **Campus Ministry & Social Service:** Organized campus ministry programs, community outreach, and social service activities to promote student engagement and foster a sense of responsibility toward the local community.

EDUCATION

- **Tsinghua University** Beijing, China
Master of Public Administration *GPA: 3.91*
- **University of Yuppentek Indonesia** Jakarta, Indonesia
Bachelor of Electrical Engineering *GPA: 4.00*
- **Driyarkara School of Philosophy** Jakarta, Indonesia
Bachelor of Arts *GPA: 3.99*

OTHER INTERESTS

Badminton, Soccer, Gym, Exploring Coffee Varieties, Reading Books, Stock Market, Cryptocurrency

技能

- 专业证书: 哈佛大学数据科学专业证书, IBM 数据科学专业证书
- 编程语言: R, Python, SQL
- 机器学习与大语言模型: 有监督性与非监督性模型
- 数据可视化工具: Flourish, R, Plotly, Canva
- 语言能力: 英语 (雅思 8, 托福 104/120), 中文, 印尼语, 法语

项目

- 电影推荐系统机器学习项目: 开发了一款电影推荐系统, 作为哈佛数据科学证书项目的毕业设计, RMSE 达到 0.80。
- 红酒质量分类项目: 使用逻辑回归、KNN、SVM 和随机森林分类红酒质量, 比较模型性能。
- 东盟智慧城市网络因果分析: 研究东盟智慧城市网络对城市发展的影响, 成果用于开发评估仪表盘。

工作经历

- 《罗盘》研究与开发中心
研究员、数据分析师、插画师
雅加达, 印尼
2020 年 3 月 – 至今 (兼职)
 - 研究: 深入研究印尼工业政策、能源转型等, 定期发布成果于 *Kompaspedia*。
 - 数据分析: 处理和分析数据, 为机构研究提供洞见。
 - 可视化: 制作图表和插图, 提高研究成果的传播力。
- 印度尼西亚海洋与投资统筹部
顾问
雅加达, 印尼
2021 年 8 月 – 2022 年 9 月
 - 政策咨询: 为中印高层合作提供投资相关咨询。
 - 跨部门和企业协调: 主持会议和商务论坛, 促进合作。
 - 翻译服务: 提供英语-汉语-印尼语翻译及文档服务。
- 沙勿略高中
教师
密克罗尼西亚联邦
2019 年 8 月 – 2020 年 3 月
 - 教学: 教授伦理学、法语 A1、拉丁语以及中文 HSK 1-3, 与来自多个国家的教职员工合作。
 - 校园活动: 组织校园社会服务项目。

教育背景

- 清华大学
硕士研究生, 公共管理专业
北京
平均学分绩: 3.91
- 印尼优本科技大学
学士, 电气工程
雅加达, 印尼
平均学分绩: 4.00
- 德里亚尔卡拉哲学大学
学士, 哲学
雅加达, 印尼
平均学分绩: 3.99

兴趣爱好

羽毛球, 足球, 跑步, 健身, 语言学习, 咖啡, 读书, AI 和数据科学, 股票和加密货币