GAHN WUWONG

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OBJECTIVE

Highly motivated data science student at UC San Diego with a strong background in database management, data analytics, and data visualization. Passionate about optimizing business processes and improving operational efficiency through data-driven decision-making.

EDUCATION

University of California, San Diego

Bachelors of Science | Data Science Major & Business Analytics Minor | 2022 - 2026

Cumulative GPA: 3.99

Relevant coursework:

Applications of Data Science, Database Management, AI & Probabilistic Reasoning, Data Visualization, Data Structures and Algorithms, Machine Learning & Predictive Analytics, Inferential statistics

CORE COMPETENCIES

- **Programming**: Python, Java, SQL, JavaScript, HTML, CSS
- **Development**: GitHub, Jupyter, Pandas, NumPy, JUnit, Postgres, SQLite, Plotly, D3, Seaborn, SciKit-learn
- **Data Science**: Machine learning, Data analytics, Data visualization, Database management, Timeseries forecasting, Statistical Inference, Statistical tests, Web scraping
- **Languages**: English (fluent), Thai (native), Japanese (advanced - JLPT N4)

EXPERIENCES

Data Science Intern, Kasikorn Business Technology Group

June 2024 - Sept 2024

- Develop a highly accurate, automated forecasting engine with a user-friendly, no-code platform, improving efficiency and informed decision-making for SMEs.
- Design a scalable, modular application pipeline using Python APIs to support diverse forecasting use cases and evolving business needs.
- Deliver accurate and reliable forecasting results by implementing a model evaluation algorithm to rigorously select and deploy the top-performing model.
- Integrated interactive dashboards to drive stakeholder decision-making, cutting front-end development costs by 20%.
- Empower stakeholders to make actionable, data-driven decisions with interactive, user-friendly visualizations, leading to more informed business strategies.

Data Science Instructional Assistant, Halıcıoğlu Data Science Institute

Jan 2024 - Aprl 2025

- Provide personalized tutoring for Java & Python programming, data structures, and algorithms courses.
- Improved and debugged automated grading tools for homework assignments using Python and Java.
- Mentored over 300 students on programming assignments, fostering strong problem-solving skills.
- Supported course logistics by grading exams and addressing student inquiries.

PROJECTS

Inventory Forecasting Case Study, Deloitte & Halıcıoğlu Data Science Institute

April 2024- June 2024

- Optimize inventory levels and predict monthly sales trends for various product categories using multiple machine learning models, improving supply chain decisions.
- Conduct exploratory data analysis to identify trends and key features, improving model performance.
- Deliver actionable recommendations by identifying the most deterministic products for enhanced inventory management, improving profitability and reducing overstock.

Soil Behavior Prediction for Infrastructure Design, Halıcıoğlu Data Science Institute

Sept 2023 - June 2024

- Web-scrape, clean, and process raw soil data from USGS using Beautiful Soup, enabling accurate model training for soil behavior prediction.
- Utilize Gaussian Process Regression to predict soil profiles in untested regions, improving prediction accuracy and supporting infrastructure design decisions.
- Create 3D visualizations of soil behavior classes to provide engineers with actionable insights to optimize borehole drilling and reduce construction costs.
- Deliver weekly reports and visualizations, driving collaborative improvements that increased research accuracy and project effectiveness.

AWS Cloud Practitioner Certificate

Sept 2024

- Demonstrated foundational knowledge of core AWS services, cloud architecture, and security best practices.
- Developed expertise in optimizing cloud costs, leveraging AWS pricing models and budgeting tools to maximize efficiency and reduce expenses.

IBM Data Science Professional Certificate

Aug 2023 - Sept 2023

- Wrangle data, graph plots, and create regression models to predict housing prices with Pandas.
- Create a dynamic Python dashboard to monitor US domestic flight reliability with Plotly.
- Predict loan defaults using various machine learning algorithms with scikit-learn.
- Train machine learning models to predict the reusability of a rocket based on launch data.

EXTRACURRICULARS

- **DataHacks Subcommittee** - Plan, market, and coordinate a data science hackathon at UC San Diego, developing skills in stakeholder outreach, event planning, and project coordination.
- **Vice President of Cancelling Cancers Club** - Led fundraising and outreach efforts.
- Junior Varsity Badminton