Daewon (Leon) Kang

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EDUCATION

University of California, Davis   *Sep 2023 - Jun 2027*
- Bachelor of Science in Computer Science and Engineering GPA 3.6

PROFESSIONAL EXPERIENCE

Data Analyst | *Institute of Transportation Studies, Davis, CA*   *Sep 2023 - Sep 2025*
- Engineered machine learning models (Matlab, Pandas, React.js) for the 3 Revolutions Future Mobility Program, providing valuable data that accurately measured vehicle miles traveled for use in research articles
- Redesigned the website for the World Conference on Transport Research Society (WCTRS), which acts as an international network for more than 1,150 experts studying the field of transportation

Software Engineering Intern | *AlygnAI, Remote*   *May 2025 - Sep 2025*
- Worked alongside international teams in Singapore and India to develop critical functionalities for WikiAI, an AI tool used to analyze proprietary documents and company specifications to provide focused answers to queries
- Applied Agile development to construct relevant APIs through pgAdmin, PostgreSQL, and FastAPI to ensure the optimized development of features such as data analysis, document security, and account management

Summer Research Intern | *National Center for Sustainable Transportation, Davis, CA*   *July 2025 - Aug 2025*
- Led the publication of a white paper for Honda, analyzing case studies in cities such as New York, Portland, and Seattle to showcase the benefits and costs of adopting cargo e-bikes for last mile deliveries
- Accomplished tasks such as literature reviews, data collection, and data synthesis to create a comprehensive analysis on how cities have successfully used cargo e-bikes

Systems Engineering Intern | *The Boeing Company, Huntington Beach, CA*   *Jun 2022 - Aug 2022*
- Achieved STK Grand Master Certification and applied physics models to simulate wildfires in different locations of the United States, developing several countermeasures and computing relevant variables to find the most efficient architecture for fire-fighting
- Voted as the representative Integrated Product Team Lead by group members and committed to organizing and hosting engaging events including site tours, career talks, and project design workshops

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LEADERSHIP

Explore Cohort Leader | *UC Davis Google Developer Student Club, Davis, CA*   *Sep 2024 - May 2025*
- Used Python software such as Pandas, TensorFlow, and PyTorch to develop a machine learning model that could take analyze the doneness of food
- Organized meetings with teammates and attended weekly club meetings to optimize models and finalize functions

Lead Programmer | *Brea Robotics Team 7157, Brea, CA*   *Jun 2020 - May 2023*
- Mentored underclassmen in Java and the optimal design process for machine programming to develop a further passion for the club to succeed in back to back world finals appearances
- Developed a scouting app using Dart and that recorded and calculated important metrics of other teams such as points per game, fouls drawn, and defensive ratings

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SKILLS AND INTERESTS:

- Programming Languages: Python, C/C#/C++, Java, R, Assembly, Dart, Rust, HTML, Javascript, Swift
- Software/ Tools: React.js, FastAPI, Flutter, Unity, Pandas, Git/GitHub, pgAdmin, Visual Studio
- Data Analysis: Matlab, PostgreSQL, STK, Machine Learning
- Other: Microsoft 365, Google Workspace, Project Management, Intermediate Korean, Product Design, Agile