

Daewon (Leon) Kang

leonkang01@gmail.com | 714-476-1163 | www.linkedin.com/in/leonkang01 | leonkang01.github.io | https://github.com/leonkang01

EDUCATION

University of California, Davis

Sep 2023 - Jun 2027

- Bachelor of Science in Computer Science and Engineering

Coursework: Data Structures & Algorithms, Object Oriented Programming, Machine Dependent Programming, Algorithm Design & Analysis, Programming Languages, Computer Networks, Computer Architecture, Classical & Modern Physics, Circuits

PROFESSIONAL EXPERIENCE

Contractor (via Codelab) | *Google, Remote*

Jan 2026 - Current

- Worked with Senior Google Employees to improve aspects of the “How we work” and “Your Career” pages of the google careers website to make the application process seamless for new recruits looking to find optimal hiring locations
- Applied React.js and Brightspot CMS to try seamlessly integrate changes into already existing frontend architecture

Data Analyst | *Institute of Transportation Studies, Davis, CA*

Sep 2023 - Current

- Engineered machine learning models with Matlab, Pandas, and Microsoft Excel for the 3 Revolutions Future Mobility Program, providing valuable transportation data from hundreds of academic articles for use in research articles and studies
- Updated client and server side functionality for the World Conference on Transport Research Society (WCTRS) website, maintaining databases of previous conferences, articles, and users which resulted in over 1,000 new registrations

Contractor (via Codelab) | *OpexAI, Remote*

Aug 2025 - Dec 2025

- Applied full-stack development principles using LangGraph, Composio, and Gemini API to design ProcessBrain, an agentic AI platform that streamlines and documents business workflows across complex enterprise ecosystems.
- Incorporated React.js, Mermaid.js, and Supabase to store and analyze user files and queries to evaluate key business operations, record critical actions, and remove inefficiencies for future reference and categorization

Summer Research Intern | *National Center for Sustainable Transportation, Davis, CA*

Jun 2025 - Aug 2025

- Co-Authored the publication of a white paper for Honda, analyzing case studies between delivery companies and cities such as New York, Portland, and Seattle to showcase the costs and benefits of adopting cargo e-bikes for last mile deliveries
- Ran data analysis models for a literature review with over 200 scientific articles to find information on travel habits such as vehicle miles traveled, average cargo hauled, and transit time for various cargo delivery vehicles.

Systems Engineering Intern | *The Boeing Company, Huntington Beach, CA*

Jun 2022 - Aug 2022

- Achieved STK Grand Master Certification and created physics models to simulate wildfires across 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 developed a live internship calendar to organize and host engaging events including site tours, career talks, and project design workshops
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LEADERSHIP

President | *The Brazilian Jiu Jitsu Club, Davis, CA*

Sep 2024 - May 2025

- Led multiple weekly training sessions for over 200 college students to teach the the fundamentals of grappling and Brazilian Jiu Jitsu in a welcoming and friendly environment to foster health, friendship, and practical self defence
- Fundraized, organized, and hosted the NorCow BJJ Open and Collegiate Championships, holding 186 unique competitors from gyms across Davis, Berkeley, Sacramento, and San Francisco

Lead Programmer | *Brea Robotics Team 7157, Brea, CA*

Jun 2020 - May 2023

- Programmed and mentored underclassmen in Java to develop advanced features for our main competition robot, integrating features such as spline interpolation, smart cameras, and a swerve drive chassis for consecutive world finals appearances
 - Deployed a robot scouting app through Dart to calculate scoring metrics in other teams for optimal alliance selection
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SKILLS AND INTERESTS:

- Programming: Python, C#/ C++, Java, Javascript, Typescript, Assembly, Dart, Rust, HTML, CSS, Swift, Go, Lisp, Prolog
- Software: VSCode, React.js, Node.js, FastAPI, Flutter, Git, pgAdmin, LangGraph, Brightspot CMS, Docker, Supabase
- Data Analysis: Matlab, PostgreSQL, SQL, STK, Excel, Sheets, Data Structures, Data Science, Excel, Pandas, Numpy