GUK IL KIM

LinkedIn | 669-287-8192 | Website | kimgukil2@gmail.com | GitHub | Founded

Skills

- Python (3.x) | JavaScript | C++ | C | SQL | React | SQLite3 | HTML/ CSS | Git | MongoDB | NoSQL | Flexbox | Flask | ArcGIS
- Node.js | Express | Pandas | Jupyter Notebook | Google Earth Pro | PostgreSQL | Anaconda | ArcCAD | Insomnia | Asana | Slack
- Machine Learning | Full Stack | Research and Development | Algorithms | English, Korean – *All professional proficiency or above*

Experience

Engineering Lead — **Teamlab.media** — *Los Angeles, CA, USA* — **02/2024 - Present**

- Led the development of a B2B website for the ShopGirly wholesale brand, integrating the FashionGo API with HTML/SCSS to enhance functionality.
- Spearheaded SEO and traffic improvement strategies, leveraging data-driven techniques to boost online visibility and drive organic growth in the competitive wholesale market.
- Developed and managed the domain hosting for TeamLab.media, showcasing expertise in full-stack web development and project management.

Software Engineer & Researcher — **School Of Veterinary Medicine Department** — *Davis, CA, USA* — **07/2022 - 01/2024**

- Developed a machine learning model for predicting Feline Urinary Tract Infections with 90% AUC; engaged extensively with academic literature to enhance model accuracy.
- Created the Lepto website to assist veterinarians in disease detection, demonstrating a commitment to practical and innovative technological applications.

Automation Engineer — **Utilities Headquarter** — *Davis, CA, USA* — **07/2022 - 08/2023**

- Engineered a sophisticated automation script that scrutinized and validated over 15,000 ARCADE apj files, reducing error rates by a **striking 99%** and ensuring greater data integrity for campus-wide utility mapping.
- Designed automation scripts improving data integrity and operational efficiency, which are crucial in large-scale technical environments.

Full Stack Developer — **CodeLab** — *Davis, CA, USA* — **08/2020 - 03/2021**

- Led the redevelopment of the CodeLab website, significantly enhancing user interaction and modern web standards.
- Demonstrated leadership and technical prowess, resulting in a **70% increase in client acquisition** by enhancing the site's performance and engaging design, directly contributing to business growth and expansion.

Education

University of Southern California, *M.S. in computer science* — Los Angeles, California
GPA: 3.51 — ***Aug 2023 - May 2025***

University of California - Davis, *B.S. in computer science* — Davis, California
GPA: 3.728 — ***Sep 2019 - Mar 2023***

Mentorship

- **Full Time Instructor** (Apr 2024 - Present): Founded Daniel Kim Solution, demonstrated entrepreneurial spirit and technical expertise in creating scalable web solutions.
- **Drone Coding Instructor** (Apr 2024 - Present): Developed a Python curriculum for K-8 students, demonstrating leadership in educational settings.
- **Team Lead, Sponsored by U.S. Air Force** (Jan 2024 - May 2024): Led development projects, showing capability in team coordination and project management.
- **Full Time Instructor** (Apr 2023 - Aug 2023): Implement effective learning | Instructed full classroom of K5-7 kindergarten students | educate diverse environments

Projects

- Teamlab.media Website: Designed,implemented, and hosted Teamlab.media website using features from godaddy.
- Video Player: Developed a program that identifies the source and starting point of a video clip with audio from the database.
- Geospatial Data Handling: conducted advanced spatial queries with KNIME and visualizations to enhance data interpretation using Google Earth Pro.
- Hands Together **Website**: Led a comprehensive website overhaul, integrating new features for enhanced user engagement.
- Tik-Tok Pet Selection Algorithm: Implemented user favorite video selection based on viewed count by integrating the TikTok API.
- React Water Backend: Developed a Node and Express server to handle AJAX requests for displaying the water level of a dam.
- Automation shell script: Developed tailored automation script to fix 1.2 million APJ files used on ArcGIS server, significantly streamlining maintenance processes and enhancing system efficiency.
- Publication **[Expected 2025]**: Co-authored research on the use of machine-learning algorithms for predictive analytics in veterinary medicine, focusing on Canine-Ionized-calcium predictions for felines.