

Jiwon(Stephanie) Baek

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EDUCATION

University of California, Davis

Major: Bachelor of Science in Statistics **Minor:** Computer Science

Graduation Date: Expected June 2025

GPA: 3.4/4.0

COURSEWORK

Statistical Data Science | Probability & Statistical Modeling | Human-Computer Interaction | Marketing for Tech Enterprises

SKILLS & LANGUAGES

Programming: Python, JavaScript, R, SQL, C++, Java, HTML, CSS, Django, Flask, React, Tailwind CSS

Tools & Frameworks: OpenCV, gPhoto2, QRCode, PIL, GitHub, R Studio, Microsoft Office, Google Workspace, Notion

Languages: English (Bilingual) | Korean (Bilingual) | Chinese (Limited Proficiency)

EXPERIENCE

Likellion USA | *Project Manager, Engineer* | California, USA

03/2024 - Present

- Built and deployed interactive dashboards using Python, JavaScript, and SQL to support real-time data monitoring and analytics.
- Led a cross-functional team to develop scalable reporting tools, reducing inefficiencies by 40% and improving system response time by 25%.
- Analyzed user behavior through traffic data to refine UX, increasing engagement and retention.
- Conducted iterative UX/UX improvements based on stakeholder feedback, enhancing product usability and accessibility.

Korean American Engineering Scientist Association | *Vice President, Treasurer* | California, USA

01/2023-Present

- Managed and executed 50+ events, using data-driven scheduling to improve efficiency by 15%.
- Secured long-term sponsorships, doubling fundraising revenue and improving financial stability.
- Organized Davis' first National Mathematics & Science Competition (NMSC), managing logistics and increasing regional participation.
- Designed and launched an organization website, streamlining event registration and proposal processes.
- Directed strategic planning, aligning 50+ projects with organizational goals, leading to a 20% boost in engagement and doubling operational efficiency.

Application of Computers in Technology | *Internship* | California, USA

11/2024-Present

- Designed data-driven learning solutions for 400+ students, leveraging R Studio, Microsoft Office, Photoshop, and Google Suite for process efficiency.

Kelly & Stephan | *Internship* | Seoul, Korea

05/2022-09/2022

- Automated financial reporting processes, reducing errors and improving cash flow forecasting accuracy by 15%.
- Conducted financial modeling & cost analysis, identifying inefficiencies and implementing process improvements that reduced costs by 10%.
- Designed Excel-based financial tracking systems, helping executives visualize data in real-time.

PROJECTS

STalk | *2nd Place – 2025 Silicon Valley Hackathon*

- Built an AI-powered investment insights app that analyzes celebrity statements and financial news.
- Developed NLP pipeline using spaCy & Transformers, integrated with OpenAI API and FastAPI.
- Designed dynamic frontend to visualize sentiment trends in real-time (PostgreSQL + Chart.js).

KSEA Four Cuts Programming | *Full Stack Personal Project*

04/2024-Present

- Built and deployed an offline automated photo booth system using Flask, Raspberry Pi, OpenCV, and JavaScript.
- Enabled real-time photo capture, auto-framing, QR code generation, and instant printing without internet access.
- Used by 600+ participants per event, replacing manual workflows and significantly reducing operation time and staff workload.

BnW | *Full Stack Group Project*

01/2024 - Present

- Created a web app that generates personalized recipes based on user input using OpenAI API.
- Built frontend with React and backend with Django & PostgreSQL, styled with Tailwind CSS.
- Focused on UX/UI design and iterative feedback for usability improvements.

ESR | *Full Stack Personal Project*

03/2024 - 06/2024

- Created a location-based platform to find eco-friendly restaurants (Django + Google Maps API).
- Implemented RESTful backend and responsive UI with Tailwind CSS.