Jiwon(Stephanie) Baek – Software Developer

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EDUCATION

University of California, Davis   *Graduation Date: Expected June 2025*
*Major: Bachelor of Science in Statistics **Minor:** Computer Science*   ***GPA:** 3.4/4.0*

COURSEWORK

Human-Computer Interaction | Intro to Programming | Statistical Data Science | Marketing for Tech Enterprises | Business Writing for Technical Contexts | Data Structures | Regression Analysis

SKILLS & LANGUAGES

Programming: JavaScript, Python, HTML / CSS, R, SQL, C++, Java,
Frameworks: React, Tailwind CSS, Django, Flask, Chart.js
Tools: Git, GitHub, OpenCV, Microsoft Office, Google Workspace, Notion
Languages: English (Bilingual) | Korean (Bilingual) | Chinese (Limited Proficiency)

EXPERIENCE

Likelion USA | *Project Manager, Engineer* | California, USA   *03/2024 - Present*
- Collaborated with the team and built data dashboards (Python + JavaScript + SQL) to monitor key KPIs in real time and enhance data-driven decisions.
- Led a cross-functional team to develop scalable reporting tools, reducing inefficiencies by 40% and improving system response time by 25%.
- Led iterative UX/UI improvements based on feedback, improving usability and retention.

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 | *Instructional Technology Intern* | California, USA   *11/2024-Present*
- Designed interactive, data-informed learning tools for 400+ students using R and Google Workspace.
- Improved delivery efficiency by streamlining content generation and classroom material organization.

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

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.

STalk | *2025 Silicon Valley Hackathon*   02/2025 (1-week hackathon)
- Selected as 1 of 2 finalist teams (out of 1,500+ applicants) for the 2025 Silicon Valley Hackathon.
- Built an AI-powered investment insights web app using Django, spaCy NLP, OpenAI API, and FastAPI.
- Developed real-time sentiment analysis dashboard with HTML, CSS, and JavaScript (Chart.js).

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.

BnW | *Full Stack Group Project*   01/2024 - Present
- Led UI/UX design for AI-based recipe generator using React + OpenAI API.
- Collaborated on backend integration with Django & PostgreSQL, iterating based on user testing feedback.