

# Erika Young

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## TECHNICAL EXPERIENCE

### Innopiphany

Junior Data Analyst

Irvine, CA

May 2025 - Present

- Conduct exploratory analysis, predictive modeling (e.g., logistic regression, Cox models, gradient boost), and data visualization using *R* on Real World Data (RWD), including EHRs and the All of Us dataset.
- Contribute to study design, statistical plans, and HEOR deliverables for retrospective and observational studies.
- Translate analytical findings into strategic presentations and technical reports to support client decision-making.
- Collaborate with epidemiologists, biostatisticians, and policy teams; conduct secondary research to inform market access strategy.

### The Apartment Source

Software Developer Intern

Chicago, IL (Remote)

Aug. 2024 - Jan. 2025

- Developed and maintained a user-friendly interface with *TypeScript*, *Vue.js*, and *JavaScript*, integrating frontend and backend systems using *Laravel* and *MySQL*.
- Debugged and optimized front-end components, ensuring seamless display of real estate photo galleries for 3,100 users monthly.
- Refined text formatting and color schemes to align with branding and improve accessibility and overall design consistency.

## SKILLS

Languages & Frameworks: Java, Python, C++, JavaScript, HTML, CSS, Typescript, SQL, React, Flask, Vue.js, Flask, Next.js, R

Tools: Google Suite, MS Office, Canva, Zoom, Git/Github/Gitlab, Visual Studio/Visual Studio Code, Pycharm, WordPress, RStudio, Jupyter Notebook

## EDUCATION

### University of California, Irvine (UCI)

Irvine, CA

Bachelor of Science in Computer Science – 3.68 GPA

expected June 2027

- Relevant coursework: Data Structures & Algorithms, Python Programming, Programming in C/C++, Discrete Mathematics, Linear Algebra, Probability & Statistics for Computer Science, Machine Learning and Data-Mining, Intro to AI, Data Management, AI in Biology

### National Taiwan University

Taipei, Taiwan

Summer+ Chinese Language & Culture

June - Aug. 2024

**Honors:** 1st Place UC Davis Teen Biotech Challenge, Samsung Semiconductor Scholarship, Golden 1 Scholarship, Billy Steckler Endowed Scholarship

## PROJECTS

### MaterniCheck (UCI VenusHacks) | Python (*scikit-learn*), React, Flask, Pandas, HTML, Tailwind CSS

May 2024

- Built a pregnancy risk calculator using logistic regression (*scikit-learn*) and data analysis with *Pandas*.
- Developed the frontend with *React* and integrated *NPDES API* to provide location-based physician search.

### LingoLive (UCLA LA Hacks) | Python, HTML, CSS, JavaScript, Flask, TypeScript, Firebase

April 2024

- Integrated a real-time language translation Chrome extension using *Gemini*, *Amazon Polly*, and *Chrome Extension APIs* for speech-to-text, translation, and AI voice playback, with an *HTML/CSS/Javascript* frontend and *Flask* backend for real-time API handling.

## EXTRACURRICULARS

### VenusHacks at UCI

Irvine, CA

Logistics Co-Chair

Aug. 2024 - May 2025

- Coordinated communication across 3 committees for UCI's women-centric hackathon with 200+ attendees.
- Led logistics team in managing 250+ applications, creating comprehensive task timelines, organizing the event, and overseeing venue setup.

### Women in Information and Computer Sciences at UCI

Irvine, CA

Community Outreach Co-Chair, Panelist, Mentor

Jan. 2024 - Present

- Coordinate and host weekly technical workshops and community events for 40+ members.
- Plan & execute 6+ annual outreach programs inspiring K-12 students to explore computer science.
- Teach interactive lessons on coding fundamentals (Scratch) and web development (HTML, CSS, JavaScript, React).

U.S. Citizen