

Hannah Kim

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EDUCATION

University of Illinois Urbana-Champaign

Master of Computer Science

August 2025 – Current (in progress)

- Current skills:
 - Languages: Python, Java, HTML, CSS, JavaScript, SQL
- Framework experience:
 - Flask
- Database experience:
 - cPanel, Google Cloud Platform

Graduate Certificate in Computing Fundamentals

August 2024 – August 2025

GPA: 4.00/4.00

- Programming, debugging and testing, recursion, program efficiency, searching and sorting algorithms, object-oriented design, stacks and queues, data exploration and visualization, counting, sets, functions, trees and graphs, graph algorithms, priority queues, heaps, Big-O running time, polynomial time, reductions, NP
- Relevant Coursework: CS 400, CS 401, CS 402, CS 403, CS 491, CS 597, CS 411
- Languages: Python, Java, HTML, CSS, JavaScript, SQL

Bachelor of Science in Molecular & Cellular Biology (Bachelor's Degree)

Graduation Date: May 2023

GPA: 3.93/4.00

- Cum Laude, Academic Distinction in Molecular & Cellular Biology, Outstanding Asian & Asian American Undergraduate Student Leader Award, James Scholar Graduation Honors, LAS Dean's List, Teacher Ranked as Excellent by Their Students
- Relevant Coursework: STAT 212
- Languages: R (statistical computing with biological data)

RESEARCH EXPERIENCE

University of Illinois Urbana-Champaign

Research under Dr. Sarah Serman | Siebel School of Computing and Data Science

May 2025 – Current

- Built an interactive webpage with proof-based practice problems
- Collected student user data to better understand how students study
- Skills: full stack web development, data collection and analysis

WORK EXPERIENCE

University of Illinois Urbana-Champaign

Classroom Assistant | Siebel School of Computing and Data Science (Part-Time)

September 2025 – Current

- Assisted and developed materials for 20+ students from non-traditional backgrounds with the fundamentals of algorithms

Instructor | Upward Bound Summer Campus, Computer Science (Part-Time)

July 2025 – August 2025

- Taught local high school students Python, data visualization, and algorithms

Instructional Specialist | School of Molecular & Cellular Biology

August 2024 – August 2025

- Instructional implementation of Molecular & Cellular Biology (MCB) courses in traditional and non-traditional settings
- Trained, evaluated, and assigned graduate teaching assistants and preparatory staff for laboratory courses
- Maintained course laboratory equipment, reserved classrooms and exam rooms, managed assigned laboratory facilities
- Maintained assessment outcome information
- Developed, updated, and evaluated course learning outcomes, course syllabi, lesson plans, assessment instruments, laboratory manuals
- Participated in prospective student and admitted student meetings; consulted with current students for retention in the major, consulted with students for transition to MCB from other majors
- Provided support for incoming transfer students and matriculation and beyond
- Educated students regarding requirements of the curricula and varied pathways to meet requirements of degree program through individual conferences and group meetings in-person and via Zoom
- Assisted and consulted students about course expectations and performance; supported students as they planned their educational path, determined vocational goals, and fashioned themselves into the best possible candidate for their next step

- Worked with units, teams, and individuals to provide unique instructional and technological needs for their instructional, research, and administrative technology environment
- Supervised and trained graduate teaching assistants and undergraduate hourly employees

Office Manager for Residential Inclusion & Leadership Education

July 2023 – August 2024

- Spearheaded the development and creation of large-scale projects at the organizational, divisional, or team level within University Housing such as the iGuide move-in program, student organizational programs, and move-in related programs
- Maintained purchases and records of fiscal transactions through Chrome River utilizing I-Buy, P-Card, D-Card, and T-Card expenditures for Residential Life
- Developed extensive documentation and training resources for students, peers, supervisors, and staff in Housing
- Managed multiple financial spreadsheets that tracked the purchasing and budgets of department Housing student groups
- Coordinated, monitored the progress of, and expedited unit meetings and projects like the I-Guide sign-up and assignment process
- Worked to build relationships with customer community and students by proactively communicating relevant information and discussing their needs, initiatives, and service levels through periodic meetings
- Composed correspondence and reports through spreadsheets to organize and assign students during the I-Guide program
- Developed reports on departmental programs such as the I-Guide move-in process, microfridge deliveries, and Housing student group events and programs
- Aided in the hiring, managing, and evaluating of paraprofessional staff and professional staff
- Help execute Housing events such as conferences, New RA Welcome
- Trained, evaluated, supervised student staff

Inclusion & Leadership Mentor

August 2022 – May 2023

- Led and executed conferences and events surrounding principles of diversity, equity and inclusion, and social justice issues for University Housing residents
- Assisted in developing and implementing events, compiled spending reports, generated marketing campaigns for specific events, and created workshops to be presented by the group by demand
- Developed and implemented programs for all University Housing residents
- Acted as a liaison to various cultural centers on campus
- Reserved classroom spaces and other University rooms
- Provided accommodations for students in programming like DRES, food, and learning accommodations
- Wrote and evaluated program learning outcomes
- Delivered, reflected, assessed and improved programs to align with overall learning outcomes
- Worked with other students and supervisors to participate in prospective staff meetings
- Participated in outreach activities and campus events and programming
- Aided in the hiring and evaluation of paraprofessional student staff
- Coordinated, monitored the progress of and expedited projects like a food tasting for Asian American and Pacific Islander Heritage Month, luminaries to raise awareness for Domestic Violence and Transgender-targeted violence, a forum to celebrate Women Empowerment, and a day-long leadership conference called Project Leadership

Teaching Assistant, Merit Program | Department of Chemistry

August 2021 – May 2023

- Developed and taught lesson plans and student worksheets using lecture content, led office hours, and set-up extra review sessions upon student request
- Facilitated group discussions about course content and helped students via email or in-person, per student request
- Held office hours during traditional and non-traditional times
- Curated lesson worksheets and executed lesson plans per the course syllabus and Professor's request
- Participated in the grading and proctoring of classroom exams
- Assessed student progress and created progress assessment instruments
- Helped manage assigned laboratory classrooms belonging to the Department of Chemistry
- Helped execute Chemistry events such as TA training panels, Merit exam office hours
- Updated course laboratory manuals per Professor request
- Aided in the success of students from underrepresented racial or ethnic minority groups, first generation college students, and students who came from rural high schools
- Provided guidance and direction to students on course material and classroom standards and expectations, while monitoring in-class performance

- Proctored and deployed evening exams for students with accommodations
- Provided accommodations for students when necessary
- Procured materials required for laboratory and discussion courses
- Maintained assessment outcome information
- Consulted with and provided support for students transferring into classes
- Worked with Professor to educate students regarding requirements of the course through individual and group meetings
- Assisted and consulted with students about course expectations and performance; supported students and aided in fashioning themselves into becoming the best possible student for their next step

Patient Care Assistant | Carle Hospital

July 2021 – April 2023

- Provided patient comfort and safety by aiding in mobility, feeding and hygiene, transportation, ambulating, and turning
- Answered patient requests and documented patient observations to nursing supervisor

ACTIVITIES

Upward Bound Summer Campus, Computer Science

July 2025 – August 2025

Instructor

- Teach students in the Urbana Champaign area about computer science and data science
- Create lesson plans for students around topics like data cleaning, data visualization, coding in Python, and algorithms

Women in ECE

February 2025 – Current

General Member

- Empowering women in tech

Girls Go For It

Board of Directors, Special Projects

April 2024 – February 2025

- Developed and implemented initiatives that support young girls in Champaign Urbana

American Medical Students Association

April 2020 – May 2023

Executive Board, Vice President's Chair

- Coordinated monthly speakers for 300 students that encouraged an appreciation for different professions within the medical field

McKinley Health Center Student Advisory Board

Undergraduate Co-Chair

April 2019 – May 2023

- Served as a liaison between students, the staff, and administration of McKinley Health Center
- Promoted general welfare, health, and general and special services offered by the Health Center
- Reviewed and evaluated programs, services, and policies of the Health Center

Carle Hospital

Student Leader

January 2020 – May 2023

- Worked in coordination with hospital and floor staff to implement volunteer roles and functions within the department
- Lead department orientations and skills training, monitored student absences, and was point of contact for student volunteers
- Supervised an average of 10 students from diverse backgrounds
- Served as a liaison between the Hospital's Volunteer Department staff and its volunteers
- Worked with Volunteer Department staff to educate students regarding requirements of the program through individual and group meetings

James Scholar Program

Peer Mentor

August 2021 – December 2022

- Connected freshmen to on-campus resources and organized social and academic events
- Provided advice and insight based on personal experiences, monthly, while assisting with students' transition to the University

Veterinary Medicine*Research Assistant*

September 2019 – May 2020

- Obtained DNA samples from zebrafish tails and prepared and ran samples through PCR and gel electrophoresis

Raising International Scholars Organization*Active Member*

January 2021 – May 2022

- Produced bi-weekly PowerPoint lessons to aid in teaching English to Nicaraguan teachers over Zoom

SKILLS

Programming Languages: Python, Java, HTML, CSS, JavaScript, SQL, R**Programming:** Flask, cPanel, Google Cloud Platform, Figma, Git**Projects:** Web application for proof-based classes with Dr. Sterman, Pokémon web application for CS 411, Autonomous robot at Hack Illinois 2025**Operating System Platforms:** Apple macOS, Linux**Professional experience in higher education:** Course and Instruction Delivery, Hiring, Training, Managing staff**Instruction and course delivery:** Canvas, Moodle**Administrative:** Webtools, Illinois App, Chrome River, HES, Kronos, Microsoft Office, iBuy, StarRez, Outlook**Spoken Languages:** Spanish (Conversational), Korean (Conversational)