

James Wang

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EDUCATION

Carnegie Mellon University	Pittsburgh, PA
Bachelor of Science in Statistics and Machine Learning, Minor in Computer Science	December 2025
Overall GPA: 4.0/4.0	

RELEVANT COURSEWORK

Distributed Systems	Software Structures for User Interfaces	Principles of Software Construction
Autonomous Agents	Networking and the Internet	Parallel and Sequential Data Structures and Algorithms

SKILLS

Technical: React, TypeScript, CSS, Python, Django, Java, SQL, Git/GitHub, AWS S3 + EC2, REST, Docker, Yarn/npm, R, Cursor AI, Figma
Language: English, Chinese, Japanese

WORK EXPERIENCE

Klaviyo	Boston, MA
Frontend Software Engineering Intern	June 2025 - August 2025
<ul style="list-style-type: none">Diagnosed bug in A/B testing framework's cache logic with PyCharm, shipping same-day fix to revalidate an experiment with 10.1K usersLed end-to-end modernization of SMS subscribe links interface with updated React components, lifting ARR from SMS sends by \$230,791Improved exception handling for Django backend services integrated with Shopify, reducing non-actionable Sentry alerts by 1,269 a monthAutomated creation of SMS compliant consent pages upon subscribe link generation, enabling 1-click workflow for creating shareable linkPartnered with PM and Designer to conduct User Acceptance Testing, launching Subscribe Links V2 with 0 user-reported bugs week one	
ConocoPhillips	Bartlesville, OK
Digital Strategy and Agile Intern	May 2024 - July 2024
<ul style="list-style-type: none">Developed a visual Python tool utilizing Jira's REST API to simplify identifying employees by Agile Team for 23 organizations within ITDiscovered over 2000 instances of data mis-entries and non-entries by building a TargetProcess dashboard, informing future cleanup goalsDemoed 2 Agile tools released in Q2 to 42 managers and supervisors, gaining support for the Agile Center of Excellence's Q3 initiativesDelivered 45 minute presentation on Citizen Development, guiding non-IT staff to pursue learning paths for automating their daily work	
CMU Department of Philosophy	Pittsburgh, PA
Teaching Assistant	August 2023 - December 2023
<ul style="list-style-type: none">Moderated 14 discussions on contemporary moral issues for 37 students with 76% reporting deeper understanding in post-class surveysRaised average score on argument mapping problem sets by 31% over time by reviewing 500+ student submissions and providing feedbackMentored students 1:1 in weekly office hours to enhance their comprehension of readings and promote rigorous independent research	
Trying Together	Pittsburgh, PA
Data Analyst Intern	May 2023 - August 2023
<ul style="list-style-type: none">Visualized Pittsburgh demographics and locations of 200+ pre-K facilities in ArcGIS map to report on inequality in early childcare accessAssembled US Census and employee survey data into a Looker Studio Dashboard for Trying Together's first-ever internal equity auditCreated and documented procedure for efficiently retrieving data from USDA's Meals for Kids API with SQL and Excel Power Query	

PROJECT EXPERIENCE

Dynamic Memory Allocator (malloc)	Pittsburgh, PA
<ul style="list-style-type: none">Engineered malloc using C & OS services, implementing free list segregation, block splitting, and boundary tag coalescingMeasured throughput and utilization with various allocation traces to support system optimizations increasing memory utilization to 74.4%	
Digital Birthday Card	Pittsburgh, PA
<ul style="list-style-type: none">Crafted a digital birthday card template with interactive elements, music, and animations using HTML, JavaScript, and CSSDeployed template publicly by hosting project on GitHub Pages, assisting people in celebrating birthdays regardless of distance	
Automatic Sudoku App	Pittsburgh, PA
<ul style="list-style-type: none">Planned and implemented a 933-line desktop Python program enabling users to play Sudoku boards of various difficultyWrote an efficient backtracking algorithm capable of solving any legal Sudoku board that also provides the user with hints during play	

HONORS AND AWARDS

Carnegie Mellon Dean's List with High Honors	Spring 2025
Dataiku Future in Data Science Award	Spring 2024