Jerry Chen

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EDUCATION

Carnegie Mellon University   Pittsburgh, PA
Bachelor of Science in Statistics and Machine Learning, Minor in Artificial Intelligence   *Aug. 2023 – May 2026*

Dean's List with High Honors
Recognized as top of class for strong academic performance and excelling in relevant coursework

SLE Leadership Award
Recognized for exceptional leadership at the Summer Leadership Experience program at West Point, USMA

EXPERIENCE

Data Project Manager   Sep. 2023 – Present
Students using Data for Social Good   *Pittsburgh, PA*
- Led a team of 5 to consolidate and clean 9,000 educational records into a centralized SQL database
- Developed and created documentation for a JavaScript API for secure data querying
- Built a React and D3.js dashboard for real-time data visualization, conducting user testing to enhance usability

Technology Consulting Intern   May 2024 – Aug. 2024
4P Consulting   *Remote*
- Collaborated with product management and engineering teams to outline automation features aimed at modernizing Trip.com's UI/UX interface
- Conducted market research and performed financial and competitive analyses to guide website modernization
- Designed customer surveys to identify redundancy and pain points, translating findings into recommendations

Head of Workstream   Sep. 2023 – Present
180 Degrees Consulting   *Pittsburgh, PA*
- Designed wire frames and sample user flow diagrams in Figma for RMHC Pittsburgh's mobile application
- Created comprehensive handoff materials to enhance usability and scalability for 1,050 staff and residents
- Collected user feedback through functional and usability testing to enhance user flow and app structure
- Presented the final deliverable virtually to the client and the Tepper School of Business

Lead Tutor   Jun. 2022 – Mar. 2023
Center for Enhanced Performance   *West Point, NY*
- Led a team of four peer tutors, providing training and mentorship on teaching strategies and communication
- Conducted regular assessment sessions to evaluate progress and adjust tutoring techniques, ensuring personalized learning experiences
- Guided students in mastering complex chemistry concepts, resulting in a 20% increase in average test scores for the tutored cohort

PROJECTS AND RESEARCH

Volunteer Hour Tracker   Feb. 2023 - Mar. 2023
United States Military Academy
- Developed an interactive Tableau dashboard to automate the volunteer hour tracking process for USMA CEP
- Integrated the tracking application with USMA's AlloyDB database to streamline volunteer hour management
- Led data validation and cleansing routines, enhancing data quality by 30%

Undergraduate Research Intern   Jan. 2023 - Mar. 2023
United States Military Academy
- Reacted hydrazine derivatives with isothiocyanates to synthesize the desired semithiocarbazides
- Analyzed and rated the yield of target compounds through X-ray diffraction analysis and NMR spectroscopy
- Purified crude product through recrystillization techniques to maximize crystal formation

TECHNICAL SKILLS

Languages and Tools: Java, Python, R, Tableau, Excel, SQL (Postgres), JavaScript, HTML/CSS
Interests: Backpacking and hiking, National Parks, Urban Exploration, Ultimate Frisbee, Piano, Discovering New Books