RUI (RICHARD) CHEN

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EDUCATION

STANFORD UNIVERSITY — **Stanford, CA**
B.S. Candidate in Economics and Computer Science (Human-Computer Interaction) — *Sep 2023 – Jun 2027*

- **GPA:** 3.64/4.00
- **Relevant Coursework:** Introduction to Financial Economics, Applied Econometrics, Introduction to Probability for Computer Scientists, History of the International System, Economic Analysis III, Linear Algebra and Multivariable Calculus
- **Activities:** Stanford Institute of Economic Policy Research (SIEPR Research Fellow), Business Association of Stanford Entrepreneurial Students (BASES Director of Core), Stanford Jugger (Vice President), The Stanford Daily (Humor Writer)

OXFORD UNIVERSITY – CORPUS CHRISTI COLLEGE — **Oxford, UK**
Visiting Student, Tutorial in Game Theory and Industrial Economics — *Jan 2025 – March 2025*

PROFESSIONAL EXPERIENCE

WORLD WILDLIFE FUND — **Oxford, UK**
Software Engineer — *Jan 2026 – Present*

- Evaluating and improving the Global Farm Loss Tool by identifying usability and data-structure issues, through hands-on analysis of existing dashboards, schemas, and workflows in collaboration with engineers and product stakeholders.
- Designing and prototyping a WhatsApp chatbot to collect farmer-reported food loss data, by translating requirements into conversational logic and coordinating with engineering leads to align on technical and regional constraints (e.g., Mexico, Colombia).

SIMULAR.AI — **Palo Alto, CA**
Agent Alignment Intern — *Sep 2025 —Dec 2025*

- Improved delivery speed and output quality for art-museum clients by translating requirements into engineering-ready specs, by running structured intake, prioritizing UI/UX and agent-behavior feedback, and aligning execution with user needs.
- Reduced end-to-end scraping workflows from hours to <20 minutes and cut per-locale scrape time by 67% (1.5 to 0.5 min/language), by diagnosing bottlenecks, iterating on agent orchestration, and refining prompt design while maintaining > 90% data accuracy.
- Optimized scrape relevance and user alignment through feature ideation (incl. a "content picker"), enabling users to constrain agent focus to target attributes, by collaborating with engineers to define scope, expected behavior, and roadmap priority.

STANFORD INSTITUTE FOR ECONOMIC POLICY RESEARCH — **Stanford, CA**
Undergraduate Research Fellow 2025 — *Jun 2025 – Sep 2025*

- Uncovered systematic forecasting errors exceeding 10x between Federal Medicare and Social Security projections and actual outcomes by analyzing 60 years of CBO and CMS data under Professor Michael J. Boskin.
- Enhanced interpretability of 60-year fiscal forecasting results for senior researchers, as measured by weekly briefings and research memos, by identifying recurring bias patterns and linking forecast inflection points to historical and political events.

STANFORD INSTITUTE FOR ECONOMIC POLICY RESEARCH — **Stanford, CA**
Undergraduate Research Fellow 2024 — *Jun 2024 – Sep 2024*

- Researched the historical evolution of 1,200+ U.S. mental asylums through large-scale data analysis of the American Hospital Association (AHA), by cleaning, standardizing, and validating records using reproducible Excel, Stata, and R workflows.
- Classified mental asylums from AHA records with 86% accuracy, by building Random Forest, K-Nearest Neighbors, Logistic Regression, and Linear Regression pipelines in Python using Scikit-learn and presenting weekly findings to 2 PIs + pre-docs.

PROJECT EXPERIENCE

MYFLIX | STANFORD CS147L — **Stanford, CA**
Product Designer and Engineer — *Dec 2025 – Feb 2025*

- Designed and created a Letterboxd-style product with a cleaner UX and a Beli-like ranking system by defining the product experience and a binary insert/sort ranking approach, then implementing a React Native app with real-time leaderboards and social discovery.
- Established authenticated user profiles and personalized movie feeds by integrating The Movie Database (TMDb) API for curated content and building a Supabase backend supporting user registration, authentication, and profile creation (including image uploads).

NOMI | STANFORD CS147 & CS147L — **Stanford, CA**
Lead Product Engineer — *Sep 2025 – Dec 2025*

- Delivered a functional Expo Go prototype in 7 days, following prior needfinding across 7+ user interviews that informed a prioritized roadmap, feature requirements, and execution plan across design, product, and engineering.
- Improved onboarding personalization via Gemini-powered Bingo card generation, reducing manual configuration and improving relevance, by defining product logic, setting up and coordinating backend database using Supabase.
- Increased iteration speed and product quality through structured feedback loops, evidenced by faster turnaround between testing and decisions, by translating usability insights into scoped engineering tasks, and aligning stakeholders on the highest-impact fixes.

SKILLS & INTERESTS

- **Product and Technical:** Notion, Figma, Miro, Microsoft Office Suite, User Research, Heuristic Evaluation, Jira, Usability Testing
- **Coding Languages/Tools:** Python, JavaScript, TypeScript, Git/GitHub, React, React Native, MySQL, R/RStudio, STATA, C++, LaTeX
- **Interests:** Consumer Apps, Video Games, Cooking, AI Agents, Chess, Star Wars, Fantasy Sports, Standup Comedy