Glenn Grant-Richards

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KEY SKILLS

- **Languages**: Python, C++, Java, JavaScript, HTML/CSS
- **Frameworks & Libraries:** React Native, Tailwind, Firebase, AWS
- **Machine Learning & AI:** Artificial Intelligence, Machine Learning, Computer Vision, Natural Language Processing, Data Analysis, PyTorch, scikit-learn, TensorFlow/Keras, Hugging Face, SQL/NoSQL
- **Tools & Platforms:** Git/GitHub, Agile Methodologies, Product Management, UI/UX Design

EDUCATION

University of California, Santa Cruz Santa Clara, CA
Master of Science, Natural Language Processing December 2026 Candidate

- **Coursework**: Deep Learning for NLP, Data Science and Machine Learning Fundamentals

University of California, Santa Cruz Santa Cruz, CA
Bachelor of Science, Computer Science & Bachelor of Science, Cognitive Science: AI June 2025

- 4x Dean's Honors List, College Scholars Program, 3.56 GPA

EXPERIENCE

JobsMatch San Francisco, CA
Full Stack Developer & Lead Frontend Developer June 2024 – September 2025

- Led a team of two engineers to design and implement an AI-driven job-matching platform connecting job seekers with employers
- Refactored the user interface using React Native and Tailwind CSS, increasing user engagement and retention through improved responsiveness and accessibility
- Developed the company's full-stack dashboard and integrated secure payment processing to streamline employer-candidate transactions
- Implemented secure user data management in Firebase, enhancing system reliability and privacy compliance
- Deployed the frontend on AWS, reducing page load times and boosting overall site performance and scalability

Harman (Samsung Company) Mountain View, CA
Project Development Intern June 2022 – September 2022

- Developed next-generation automotive applications and connected services as part of Harman's Innovation Team, advancing in-car digital experiences
- Applied design thinking methodology to prototype best-in-class user experiences for both drivers and passengers
- Conducted competitive analyses within the social-media and mobility sectors, identifying emerging opportunities at the intersection of 5G, Edge Computing, and V2X technologies.
- Executed quantitative and qualitative user studies to validate new concepts, directly contributing to patented 5G-based automotive solutions
- Presented strategic findings and production-ready concepts to executives and cross-functional stakeholders, influencing future roadmap initiatives

GRADUATE PROJECTS & RESEARCH

Gaze-Driven Machine Learning Classifier

University of California, Santa Cruz January 2024 – September 2025

- Designed and implemented a Python-based gaze-tracking system using machine learning to enable automatic screen scrolling for individuals with visual impairments.
- Developed and optimized a real-time Random Forest classifier to detect reading behavior by distinguishing between fixations, saccades, and noise in gaze data.
- Integrated live Tobii eye-tracker input and compensation algorithms to maintain accuracy during magnification and user movement.
- Collaborated with Professor Roberto Manduchi to refine models through iterative testing and usability studies, enhancing accessibility and reading efficiency for low-vision users.
- Recognized for research excellence and hired as a compensated researcher beginning November 2024.

Interpretability & Steering of Large Language Models

University of California, Santa Cruz October 2025

- Investigating transformer internals under Prof. Chenguang Wang to improve LLM interpretability and controllability for safety-critical use cases.
- Evaluating interventions on benchmark sets, reducing undesired generations while preserving task accuracy, and documenting trade-offs for model governance.
- Collaborating on lab reports and code artifacts to support reproducible interpretability research and downstream productization.

BenefitFinder: https://benefitfinder.tech/

University of California, Santa Cruz January 2025

- Developed an AI-powered web app connecting students with government aid and scholarships through a conversational agent.
- Built an auto-fill algorithm for PDF forms using gathered user data; implemented Firebase security and data hashing.
- Led a four-member team to win Best Beginner Hack and presented to investors at Santa Cruz Works' annual event.

SlugSpace: https://github.com/Nxver-GitHub/Roommate-Finder-GDG

University of California, Santa Cruz September 2024 – May 2025

- Created a mobile app that matches students with compatible roommates using the Google Maps API and a personality-based recommendation algorithm.
- Enhanced interface design with custom animations and branding, improving usability and engagement.
- Won Best UI Award at UCSC's Google Developer Student Club

AWARDS

- **Seal of Biliteracy in Spanish**
- **CITI Human Subjects Research (HSR) Certified**
- **Patent Holder, Community and Social Media Service for a Vehicle (Harman/Samsung, 2023):** https://www.plainsite.org/patents/assignment.html?id=11575542