

EDUCATION

- **Cornell University, College of Arts and Sciences**

*B.S. in Computer Science*

◦ **Relevant Coursework:** Introduction to Computing: A Design and Development Perspective, Statistics, Linear Algebra, Intro to Machine Learning, Object-Oriented Programming and Data Structures, Computational Genetics and Genomics, Data Structures and Functional Programming, Mathematical Foundations of Computing

Ithaca, NY

*Expected Graduation: May 2027*

EXPERIENCE

- **Software Development Assistant**

*University of California, San Francisco*

◦ **AI-Powered Voice Assistant:** Developed an AI-powered voice assistant for patient consultations, leveraging natural language processing (NLP) using Python libraries such as spaCy and TensorFlow, reducing consultation time by 30%.

◦ **Healthcare System Integration:** Implemented RESTful APIs to seamlessly integrate AI with existing healthcare systems, using tools like Postman for testing and Flask for backend development, improving data collection efficiency by 25% and boosting patient satisfaction by 15%.

◦ **Data Analytics:** Analyzed patient interaction data with pandas and Matplotlib to identify usage patterns, resulting in iterative improvements to the assistant’s functionality.

◦ **Cross-Functional Collaboration:** Collaborated with healthcare professionals to ensure alignment with HIPAA compliance standards and enhanced user experience goals.

San Francisco, CA

*September 2023 - January 2024*
- **Software Researcher**

*Montclair State University*

◦ **Cognitive Research:** Led research on cognitive development in children, focusing on spatial development and awareness in neurodivergent .

◦ **Methodology Optimization:** Streamlined data collection and analysis techniques, increasing research efficiency by 40%.

◦ **Tool Development:** Designed custom software tools to support data visualization and trend analysis in cognitive development studies.

◦ **Community Engagement:** Collaborated with educators and healthcare providers to translate research findings into actionable strategies for classrooms and therapy sessions.

Montclair, NJ

*August 2023 - May 2024*

PROJECTS

- **Scrapbook**

*Memory Sharing Platform*

◦ **Alzheimer’s Engagement:** Developed a memory-sharing platform leveraging Next.js, React, MongoDB, and the OpenAI API to enhance family engagement for Alzheimer’s patients, achieving a 40% improvement in user retention.

◦ **UX/UI Design:** Designed an intuitive user interface based on feedback from caregivers and patients, prioritizing accessibility and ease of use.

◦ **Scalability Improvements:** Optimized backend architecture to support real-time data synchronization for large user bases.

◦ **Award Recognition:** Won Best Human-Computer Interaction Award at Berkeley Hackathon, competing against 150+ teams.

Berkeley, CA

*October 2023*

SKILLS

- \* **Programming Languages:** Python, JavaScript (React, Node.js), HTML, CSS, SQL, Java

\* **Frameworks and Libraries**Next.js, React, MongoDB, Firebase

\* **Tools and Platforms:** Git, AWS, Google Cloud Platform

\* **Methodologies:** Agile Development, Test-Driven Development, Data-Driven Decision Making

\* **Soft Skills:** Team Leadership, Cross-Functional Collaboration, Effective Communication, Problem-Solving