

EDUCATION

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

*B.A. in Computer Science*

– **Relevant Coursework** Data Structures & Algorithms, Object-Oriented Programming, Functional Programming, Computational Genetics, Statistics, Linear Algebra

– **Activities** Computational Biology Club, Bee Club, Coffee Club

Ithaca, NY

*Expected 2027*
- EXPERIENCE

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- **ChatGPT Research Lab Member**

*ChatGPT Lab, OpenAI*

– Collaborate with OpenAI engineers and peers to explore AI applications that enhance student productivity, creativity, and learning.

– Provide iterative feedback to improve features such as Study Mode and learning assistance tools.

Oct 2025 – Present

*Remote*

• **Software Development Assistant**

*Entomological Data Science Lab, Cornell University*

– Applied NLP and information extraction to analyze 500+ entomology papers, generating structured pollinator ecology datasets.

– Automated Python-based data pipelines with spaCy and Pandas, reducing manual processing by 60%.

Sep 2025 – Present

*Ithaca, NY*

• **Software Development Researcher**

*J2 Lab: Engineering Living Materials*

– Built NLP pipelines to extract polysaccharide properties from 300+ publications, accelerating biomaterials discovery by 40%.

– Developed ETL workflows and deployed AWS-based data pipelines to streamline team research.

Sep 2025 – Present

*Ithaca, NY*

• **Software Development Assistant**

*University of California, San Francisco*

– Developed AI-powered clinical assistant using TensorFlow, Flask, and REST APIs, reducing workflow time by 30%.

– Integrated backend analytics pipelines to improve clinical data throughput by 25%.

Sep 2023 – Jan 2024

*San Francisco, CA*

• **Software Researcher**

*Montclair State University*

– Created Python visualization tools for neurocognitive research, improving data analysis efficiency by 40%.

– Conducted behavioral data modeling to support educational methods for neurodivergent students.

Aug 2023 – May 2024

*Montclair, NJ*

PROJECTS

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• **Scrapbook – Memory Sharing Platform**

*Next.js, React, MongoDB, OpenAI API*

– Built full-stack platform for Alzheimer’s patients, improving engagement by 40%; awarded Best HCI Project at Berkeley Hackathon.

• **AI-Powered Resume Tailor**

*Next.js, React, TypeScript, Google AI Studio*

– Developed AI web app optimizing resumes for job descriptions, boosting ATS match rate by 35%.

• **EcoLens – Environmental Impact Scanner**

*JavaScript, HTML/CSS, Google Cloud Vision API*

– Built computer vision tool for real-time carbon footprint and recyclability detection.

– Integrated Google Cloud Vision API to educate 200+ users on sustainable consumption.

SKILLS

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• **Languages** Python, JavaScript (React, Node.js), Java, OCaml, HTML/CSS

• **Frameworks** Next.js, Express.js, Flask, MongoDB, Firebase

• **Cloud & Tools** AWS, Google Cloud, Git, TensorFlow, Pandas, NumPy, Matplotlib

• **Methodologies** Agile, REST API Development, CI/CD, Cloud Deployment, TDD, Data Pipeline Automation