

# Harris Greenstein

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## EDUCATION

**Cornell University**, College of Engineering, Ithaca, NY

May 2023

Bachelor of Science in Computer Science; Minor in Business for Engineers, The Dyson School, Dean's List

**Relevant Courses:** Object-Oriented Programming & Data Structures, Functional Programming, Embedded Systems, Digital Logic & Computer Organization, Operating Systems, Computer Networks, Foundations of Artificial Intelligence, Machine Learning, Business Simulation, Financial Accounting, Organizational Behavior, Branding and Brand Management

## SKILLS

- **Programming & Tech:** Java, Python, SQL, JavaScript, ARM Assembly, OCaml, R, Verilog, HTML, CSS
- **Software & Frameworks:** React, Node.js, Express, Docker, NGINX, Git, PyTorch, NumPy, Full-Stack Development
- **Soft Skills:** Leadership, Problem Solving, Teamwork, Public Speaking, Presentation, Product Development, Data Analytics

## PROFESSIONAL EXPERIENCE

**Aspiris IT Solutions**, New York, NY *Software Engineer and Field Technician Intern*

Jun 2022 – Aug 2022

- Engineered a solution using RESTful APIs to consolidate data across platforms for accurate billing and cost savings
- Provided on-site tech support and repairs on PCs, servers, networking equipment, printers, and software upgrades
- Led trial and testing of Security Information and Event Management dashboard and alert package

**Catchpoint**, New York, NY *Product Manager Intern*

Jun 2021 – Aug 2021

- Led the creation of a VoIP & video feature for proactive outage alerts and enhanced call quality
- Managed product development through agile methodologies, coordinating with customer experience, engineering, marketing, UX, and other teams
- Constructed Press Release and Frequently Asked Questions (PRFAQ) to serve as unified outline for team across departments

**The Gifted Child Society**, Allendale, NJ

Jun 2017 – Jan 2021

*Instructor*

- Taught classes for gifted children grades K-8 during the summer and weekends during the school year
- Created original curricula in Python, Java, 3D Modeling, Stock Market, Chess, and Rubik's Cube solving
- Adapted curricula for online learning environment during pandemic, supervised assistants, and provided graded feedback

*Head Counselor*

- Supervised team of counselors, chaperoned and supervised up to 15 gifted and talented children through STEM workshops
- Acted as liaison between supporting counselors and camp directors by communicating issues and resolving disputes

## PROJECTS

**AI Semantle Solver**, *Practicum in Artificial Intelligence*, Cornell University

Jan 2023 – May 2023

- Created AI-driven word guessing game solver using Hierarchical Q-learning and Recurrent Neural Networks
- Leveraged natural language processing models and unsupervised clustering to capture word similarities and relationships
- Collaborated with project team to design and test multiple machine learning implementations and evaluate performance

**Starlink Latency Analysis**, *Computer Networks*, Cornell University

Mar 2023 – May 2023

- Analyzed global performance analysis of Starlink's internet service, focusing on impact of location and time on latency
- Utilized Python and RIPE Atlas API to collect and analyze latency data from 25 globally distributed probes
- Concluded Starlink does not consistently meet its advertised latency and documented overrepresentations of coverage areas

## LEADERSHIP EXPERIENCE

**Cornell Big Red Pep Band**, Cornell University, *Conductor*

Jan 2022 – Dec 2022

- Planned and led weekly rehearsals of 70 musicians, choosing songs and key areas of improvement
- Conducted the band at multiple sporting event performances weekly including ice hockey, lacrosse, and basketball
- Improved leadership satisfaction by creating a voting and feedback mechanism for music choices

**Big Red Marching Band**, Cornell University, *Show Committee Chair & Substitute Drum Major*

Aug 2019 – May 2023