Logan Hines

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EDUCATION

Brown University
Sc.B. in Computer Science
Providence, RI | Expected Graduation: May 2026

TECHNICAL SKILLS

- **Languages:** Java, Python, C++, C, TypeScript, R, HTML, CSS
- **Tools:** GitHub, Unity, IntelliJ, VSCode, TensorFlow, React

PROJECTS

CNN-Based DNA Sequence Classification
Deep Learning, Brown University | Apr 2024 – May 2024
- Developed a CNN-based classifier to identify exon/intron boundaries in DNA sequences.
- Processed a dataset of over 3000 sequences, achieving over 90% accuracy through hyperparameter optimization.

Caching I/O Library
Fundamentals of Computer Systems, Brown University | Mar 2024
- Engineered an I/O library to support efficient file data management operations.
- Implemented a caching mechanism resulting in a 100x performance improvement over standard file system calls.

QueueSmart
Introduction to Software Engineering, Brown University | Nov 2023 – Dec 2023
- Led a team to build a full-stack web application enhancing the workflow for teaching assistants.
- Utilized React and Material UI to create a user-friendly interface with real-time data updates.
- Integrated Firestore database with backend analytics, enabling dynamic data synchronization.
- Built a backend API in Java for user data analytics.

Clef Cat
Brown-RISD Game Developers, Brown University | Sept 2023 – Dec 2023
- Collaborated with a multidisciplinary team to develop a rhythm-platforming game.
- Implemented custom game behaviors and mechanics using Unity and C#.

hotspots
Hack@Brown 2023, Brown University | Jan 2023
- Developed a rideshare cost-sharing application mockup using Adobe XD within 24 hours.
- Awarded the Wolfram Award for innovation among 62 submissions.

LEADERSHIP EXPERIENCE

Undergraduate Teaching Assistant, Computer Science Department
Brown University | Aug 2023 – Present
- Assisted students during office hours, covering topics like polymorphism, data structures, and program design.
- Co-taught lab sections, emphasizing socially responsible computing.

Brown Opinion Project, Research and Polling
Brown University | Jan 2024 – Present
- Designed and conducted surveys to gather student insights on various issues.
- Engaged with the student body to ensure diverse perspectives and relevant data collection.

LANGUAGES

- Intermediate Spanish