Leo Gagnon
INTERNSHIP SUMMER 2025

✉ leognon@mit.edu | 🏠 leognon.com | 🐙 github.com/leognon | in linkedin.com/in/leo-gagnon

Education

Massachusetts Institute of Technology   *Cambridge, MA*
Bachelor's in Mathematics and Computer Science   *Aug 2022 - Jun 2026*
- GPA: 5.0/5.0
- Teaching Assistant for Theory of Computation
- **Relevant Coursework:** Design and Analysis of Algorithms, Computation Structures, Software Construction, Advanced Theory of Computation, Programming Language Design, Computer Graphics

Central Piedmont Community College / Levine Middle College   *Charlotte, NC*
High School Diploma   *Aug 2018 - Jun 2022*
- GPA: 4.7/4.0
- **Relevant Coursework:** Advanced Java Programming, Introduction to Microcontrollers, C++ Programming

Experience

Dropbox   *Remote*
Software Engineering Intern, Business Connectors Team   *June 2024 - Aug 2024*
- Developed a new type of connector for a data ingestion pipeline to better support customers
- Worked and became familiar with a large, unknown codebase to create API routes and ingest data
- **Technical Skills:** Go, Python, Bazel, Linux, Git, Vim

ChaosSearch   *Boston, MA*
Software Engineering Intern   *May 2023 - Aug 2023*
- Developed novel algorithms and researched literature for anomaly detection in time-series data
- Implemented production code in Scala with Akka on large distributed systems
- **Technical Skills:** Python, Scala, Data Science, Big Data

Programming Languages and Formal Verification   *Cambridge, MA*
Undergraduate Researcher   *Jan 2023 - May 2024*
- Worked with a team under **Professor Chlipala** to create a Python-level language
- Wrote syntax, sample programs, and implemented and verified JSON interoperability
- **Technical Skills:** Coq, Programming Languages, Verification

iDiyas.com   *Charlotte, NC*
Lead Software Engineer   *Jan 2022 - Aug 2022*
- Worked with a startup to create a site (https://idiyas.com) to connect prolific inventors
- Efficiently parsed and processed raw data to create a structured database
- **Technical Skills:** Next.js, MongoDB, Linux (Ubuntu), Git, Python

Climbing Club   *Cambridge, MA*
Executive Officer and Competitive Climber   *Jan 2023 - Present*
- Lead team practices and coordinated groups
- Organized free climb nights for 70+ people

Projects

Tritris (Tetris with Triangles)
Sole Creator   *Jan 2021*
- YouTube videos with over 850K+ views (https://youtu.be/HMkfj1OJ08Q, https://youtu.be/ZCPDytHqdT0)
- Playable at https://leognon.com/tritris/ with an online multiplayer version at https://tritris.leognon.com
- **Technical Skills:** JavaScript, p5.js, Node.js, React, Express, Socket.io

Skills

Programming Languages	Coq, Haskell, Go, TS, MongoDB, Python, C++, Java, C# (Unity)
Competitive Programming	Google Kickstart, Round H, place 1104th | Codeforces, Max Rating 1483
Miscellaneous	Vim, Linux, Shell (Zsh), LaTeX, Git/GitHub