Hongyi Ding

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EDUCATION

Northeastern University, Boston, MA   **Sep 2023**
Khoury College of Computer and Information Science   **GPA: 3.56**
Candidate for Bachelor of Science in Computer Science and Physics
Relevant Courses: Fundamentals of Computer Science, Discrete Structures, Logic & Computation

TECHNICAL KNOWLEDGE

Languages: Racket | JAVA | Python | html
Systems: Mac OS X | Windows
Applications: Adobe Creative Suite | Microsoft Office Suite | Eclipse | Visual Studio Code

EXPERIENCE

Changsu International School, Suzhou, Jiangsu   **Sep 2017 - June 2020**
Robot Club
Vise president

- Designed and implemented an automated robot leveraging EV3 for actuation and Raspberry Pi for high-level processing
- Continued development of a life-assistive robot aimed at enhancing student daily life
- Engaged in various academic competitions, earning multiple accolades for outstanding performance.

Path Academics, Online   **July 2022 - August 2022**
"Modern Data Visualization of Big Data Online Research seminar"
Group leader

- Investigated cancer mechanisms through analysis of large-scale biomedical datasets
- Generated data-driven visual reports using Python for automated data collection and processing
- Compiled and authored formal research reports for academic dissemination

PROJECT

Touhou Bullet hell game   **July 2025 - NOW**

Self-developed video game | Unity, C#
- Developed a Touhou-style bullet hell game using the Unity engine
- Implemented core gameplay systems in C#, including player control, enemy behavior, and projectile patterns
- Designed game logic and interactions using state-based and graph-based structures

Echo Chamber   **Sep 2025 - Dec 2025**
Dialogue puzzle game | Ren'py & Unity 3D
- Developed a narrative-focused puzzle game combining branching dialogue with interactive gameplay
- Designed story progression where player choices and conversations directly influence puzzle outcomes

VOLUNTEER

Local Community, Suzhou, Jiangsu   **May 2021 - May 2022**
member
- Monitored and managed daily human traffic flow for operational efficiency
- Tracked the well-being of all community households to ensure equal access to resources and timely support for those with special needs
- Monthly summaries and suggestions for community modifications

The Green Lion, Bali island, Indonesia   **May 2020 - July 2020**
member
- Delivered foundational courses to the local primary school community
- Participated in beach clean-up activities to remove litter and promote environmental conservation
- Assisted in cleaning and maintaining habitats of sea turtles to support marine wildlife conservation