

## Justin Ho

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### EDUCATION

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**New Jersey Institute of Technology** | Bachelor of Science in Computer Science

**Expected Graduation:** May 2026

**GPA:** 3.8

**Relevant Coursework:** Guided Design in Software Engineering, Compilers, Data Structures and Algorithms, Intensive Programming in Linux, Advanced Internet Applications, Linear Algebra

### SKILLS

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**Programming Languages:** Java, C#, C / C++

**Scripting Languages:** JavaScript, Python

**Libraries and Frameworks:** React, Express, Springboot, JUnit

**Cloud Platforms:** AWS

**Tools:** Unity, Godot

### WORK EXPERIENCE

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**New Jersey Institute of Technology** | January - May 2024, August - December 2024

Course Assistant - Python and Java

- Explained programming concepts, assisted with assignments, and debugged code to enhance student understanding.
- Graded homework and exams with a focus on accuracy and consistency.
- Proctored exams and resolved technical issues during testing sessions.

### PROJECTS

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- **Personal Website** - <https://justinho.io/> | March 2025 - Present
  - Built with React MUI and hosted on AWS using **S3** and CloudFront
  - Integrated **GitHub Actions** workflows to automate deployment and updates

#### Github Link

- **x86 Compiler** | March - May 2025
  - Built a code generator in **Python** that translates COOL (Classroom Object-Oriented Language) programs to x86 assembly, supporting object-oriented features.
  - Implemented lexing, parsing, and semantic analysis.
  - Developed a comprehensive testing suite and automated tests for each stage of the compilation pipeline.

#### Github Link

- **Spring Boot Health Clinic App** | Feb - May 2025
  - Created frontend components using MUI
  - Created RESTful APIs using **Spring Boot**, Spring Web and Hibernate.
  - Wrote unit tests for the service layer in JUnit
  - Documented API using Swagger.

#### Github Link

- **Climbing Social Media App** | June - November 2024
  - Hosted on AWS using **S3** and Cloudfront, and **API Gateway** and **AWS Lambda** for the backend.
  - Created an **S3** bucket to store images and videos.
  - Developed a separate **AWS Lambda** for token refresh, ensuring consistent proper authentication in a session.

#### Github Link