

DONG HYUN SHIN

[Resume Website](#)
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EDUCATION

Carnegie Mellon University - B.S. in Information Systems - Graduating May 2025

Relevant Coursework

- Principles of Imperative Computation (15-122), Principles of Functional Programming (15-150), Concepts of Mathematics (21-127), The Information Systems Milieux (67-250), Principles of Software Construction (17-214), Database Design and Development (67-262)

Fox Chapel Area High School (611 Field Club Road, Pittsburgh PA 15238) - Graduated June 2021

Relevant Coursework

- AP Computer Science, AP Principles of Computer Science, Data Structures and Algorithms
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PROJECTS

Phishing Recognition Walkthrough

- Developed a program in Processing sketchbook that would walk through the user through an interactive quiz that taught how to recognize phishing emails
- Simulated basic browser UI
- Won Duquesne University's Department of Mathematics and Computer Science Award at Pennsylvania Junior Academy of Science 2019

Web Development Project

- Covered topics in web accessibility, user testing, and design documentation
- Used HTML, CSS, JavaScript, and jQuery libraries

Database Project

- Designed and built a MySQL database and performed queries/analysis
- Covered topics in database implementation, conceptual data modeling, and logical database design

Othello Game Board

- Used Java to develop a 2 person board game
- Tracked history of moves and implemented an undo/redo feature
- Usage of Java Swing GUI elements and data structures

Internet Time History Chrome Extension

- Used JavaScript and Chrome API to develop a chrome extension
 - Recorded websites visited and time spent per website. Displayed information on a separate page to help the user manage time
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Honors and Awards

- Pennsylvania Junior Academy of Science: 1st place award 2019; State qualifier.
- Pennsylvania Junior Academy of Science: 1st place award 2020; State qualifier.
- Duquesne University Bayer School of Natural and Environmental Sciences: Forensic Science & Law MS Program Award (2020)
- Duquesne University Department of Mathematics and Computer Science Award (2019)

Skills

Programming - Java, C, Python, LaTeX, JavaScript, TypeScript, HTML, CSS, SQL/PostgreSQL
Tech - Eclipse, VSCode, MySQL, jQuery