

# DONG HYUN SHIN

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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**

- Developed a front-end website for a mock restaurant
- 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