YUNYI PARK

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Available: July – December 2022

EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA — Sept. 2020 - Present
Candidate for Bachelor of Science in Computer Science and Cognitive Psychology — Expected May 2024
Honors: **GPA**: 3.87 / 4.0 | Dean's List
Relevant Coursework: Object Oriented Design, Algorithms and Data, Database Design, Discrete Structures, Fundamentals of Computer Science 1 and 2, Programming in C++
Activities: Northeastern University Women in Technology (Student Club Member)

International School of Beijing, Beijing, China
IB Diploma Programme — Sept. 2016 - May 2020
Relevant Projects: Psychology Research Paper on Cognition and Bilingualism
Activities: Habitat for Humanity Chair, Beijing Mini United Nations Conference Newspaper - Chief Layout Editor, Aperture Photography Events Team
Volunteer: Habitat for Humanity Building Trip | A2 Mana Island Art Camp Coordinator

TECHNICAL KNOWLEDGE

Languages*:*   Java | SQL | C++ | HTML/CSS | Python | JavaScript
Tools*:*   Git | MySQL| SQLAlchemy | Java Swing | Bootstrap
Applications*:*   MongoDB| IntelliJ | Visual Studio Code | Eclipse

WORK EXPERIENCE

***Teaching Assistant,* Fundamentals of Computer Science II, Northeastern University**, Boston, MA — Jan. – April 2022
- Holding office hours every week to support students in programming, debugging, and understanding course concepts
- Grading and providing feedback to students for weekly assignments
- Co-leading lab sections and reporting student progress to enhance academic performance of students in the course

***Volunteer,* Action for Boston Community Development (ABCD)**, Boston, MA — Jan. – April 2022
- Serving as a volunteer to interact with small groups of seniors and help them with using computers and phones

***Self-employed,* Private Tutor**, Seoul, South Korea — Nov. 2020 – May 2021
- Collaborated with students (ages 8-16) and parents to assess student progress and give reading list each week
- Organized learning materials to improve student academic performance on exams in subjects related to English

PROJECTS

Carbon Footprint App | *SQL, Python, HTML/CSS* — Dec. 2021 – Feb. 2022
- Retrieved and utilized national average data and calculations from US government websites
- Leveraged SQL, Python, HTML/CSS to build a website for users to calculate monthly household carbon emission rate

Personal Website | *HTML/CSS, JavaScript* — Jan – Feb. 2021
- Leveraged HTML/CSS and JavaScript to create a responsive website to showcase past projects and experience

Image Processor | *Java, JavaSwing* — May 2021
- Followed the Model, View Controller (MVC) design pattern using Java and Java Swing to build a GUI image editor
- Used SOLID principle of Object Oriented Design to improve code readability and modifiability
- Created image filters (mosaic, sharpening, and downscale) and color transformation operations (sepia, greyscale)

Maze Game | *Java* — April 2021
- Participated in pair-programming to create a Java desktop game that uses Kruskal's algorithm to generate mazes
- Implemented breadth-first search (BFS) and depth-first search (DFS) to find solutions for the maze

ADDITIONAL INFORMATION

Languages*:* Proficient: English, Korean | Conversational: Mandarin | Limited Proficiency: Spanish
Interests*:* Painting, World Travel, Reading Mysteries, Tennis, Photography, Music