Stephen Kwok

(732) 642 - 8303 | School: sk2631@scarletmail.rutgers.edu | Personal: stephenkwok85@gmail.com | Marlboro, NJ | GitHub

EDUCATION AND HONORS

Rutgers University - New Brunswick, The State University of New Jersey, School of Arts and Science **New Brunswick, NJ**
Bachelor of Science in Computer Science with a Minor in Data Science *Expected May 2026*
GPA: 3.867/4.00 | **Relevant Coursework:** Data Struct., Comp. Arch., Discrete Struct. I&II, Dsgn & Anal of CA, Software Method

PROJECTS

2048 - Personal Project/Java
- Strengthened knowledge and skills in object-orientated programming through the usage of standard libraries and manipulation of ArrayLists data structure, 2-dimensional arrays, and navigation of references to objects in Java programming

Smartcards AI - Personal Project/JavaScript
- Designed and implemented a comprehensive flashcard application using Next.js and Firebase, leveraging modern web technologies to deliver a dynamic and engaging user experience and featuring a robust authentication system integrated with Clerk
- Utilized Next.js for server-side rendering and Firebase for real-time data handling, featuring a clean and interactive interface in order to allow users to efficiently manage and review their flashcard collections

Customer Support App - Personal Project/JavaScript
- Designed and implemented an interactive AI chat interface with a focus on user experience and real-time communication through React and Material-UI, featuring a dynamic chat interface where users can interact with an AI assistant for support

Flappy Bird - Personal Project/Python/Pygame
- Utilized object-oriented programming concepts in Python programming language to structure game components effectively, such as managing game objects and their interactions in order to improve user experience
- Implemented graphics and animations using Pygame, including background images, animated bird sprites, and dynamic obstacles with randomized gaps in order to develop a fully functional clone of the popular Flappy Bird game

Huffman - Personal Project/Java
- Enhanced and advanced knowledge of trees data structure through the incorporation of queues and ArrayLists data structures to maximize efficiency in code runtime and memory usage in programming
- Gained knowledge on the lossless compression of large data that include characters and images to improve readability and the speed of data transmission through the utilization of Java programming

LEADERSHIP EXPERIENCE/EXTRACURRICULARS

Headstarter SWE Fellowship **Remote**
Member *July 2024 - Present*
- Participated in weekly general education sessions, bi-weekly vertical training sessions, and networked with corporate partners along with connecting with other community members to further my career path in the computer science field
- Expanded knowledge on concepts and methods about professional programming through the use of Java, Python, C, HTML, etc.

Rutgers Institute of Electrical and Electronics Engineering (Rutgers IEEE) **New Brunswick, NJ**
MLAI & VEXU Club Member *September 2022 - Present*
- **MLAI:** Learned how to implement the powerful concepts, methods, and tools from the rapidly growing fields of machine learning, artificial intelligence, and data analysis to group coding projects
- **VEXU:** Learned how to build, design, and program robots with the C programming language through the use of PROs v5 and used tools from the fields of machine learning and artificial intelligence in order to win competitive national competitions

Rutgers University Creation of Games Society **New Brunswick, NJ**
Member *September 2022 - Present*
- Expanded knowledge on all steps and procedures to create a game through group work and collaboration such as planning the game, picking a concept, gathering information, and building, coding, refining, testing, and marketing the game to customers
- Strengthened the understanding of the procedure in designing a game and strengthened coding skills such as Python and LUA

Undergraduate Student Alliance of Computer Scientists (USACS) **New Brunswick, NJ**
Member *September 2022 - Present*
- Connected with Computer Science students and alumni industry professionals to gain a better understanding of day-to-day tasks, company culture, software applications, and career opportunities in the technology industry to kickstart professional development
- Participated in Hackathons, where students built out their ideas together while attending monthly programming workshops

PROFESSIONAL EXPERIENCE

AMC **Freehold, NJ**
Crew Member *Seasonal (May 2023-Present)*
- Increased sales by advertising and persuading customers to purchase larger valued items, displaying merchandises and availability through restocking, selling tickets, making AMC-related popcorn, drinks, warming food items, and restocking inventory
- Delivered excellent customer service through informing the direction of theaters and stock items, and solving customer situations

ADDITIONAL INFORMATION

Technical Skills: Proficient at Java, R, C, Python, HTML, and CSS, Pursuing programming through C#, SQL, JavaScript etc.
Volunteer Experience: Monmouth County Fair Volunteering, Champions After School Program
Interests: Basketball (NBA), Football (NFL), Badminton, Volleyball, Gaming: Valorant, Minecraft, Fortnite, Roblox, Travel, Fitness