

Sophia Fu

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Education

Northeastern University - Khourey College of Computer Sciences

BSCS, Bachelor's of Science in Computer Science

Relevant Courses: Fundamentals of Computer Science 1 & 2, Discrete Structures, Database Design

- Cosmo Peer Mentoring (Outreach Chair), Oasis (Software Developer), Northeastern Women in Tech

April 2027
Boston, MA

Experience

Front Desk Proctor at Northeastern Programming Lab

- Maintain a continuous documentation of interactions with and users of the lab, facilitated package pickup, locker access, and opening/closing the lab

April 2024 - Present

Outreach Chair at Computer Science Mentor Organization (CoSMO)

- Responsible for all communications with 1000+ club members via Slack and club newsletters
- Developed a comprehensive guide for students to explore career paths within CS

Feb 2024 - Present

Knack Tutor for Fundamentals of Computer Science 1

- Tutor students in fundamental CS concepts: multiple complex inputs, trees, lambda/local, higher-order functions, recursion

March 2023 - Present

Summer Camp Instructor at Pearl and Hua Xia Chinese School

June - July 2023

- Designed over 4 weeks of summer camp curriculum for science and art lessons
- Supervised students ages ranging from 5-12, managed and resolved behavioral challenges, assisted with online registrations, and parental queries
- Photographed for parent's group chat, assisted with meal prep, maintained cleanliness of classrooms

Co-Founder of Red Cross Club

Sept 2020 - May 2023

- Successfully fundraised nearly \$400 in support of the Measles and Rubella campaign
- Designed promotional flyers for events and awareness campaigns, documented club meetings and activities
- Raised awareness for international humanitarian law, home fires, natural disasters, mapped buildings in underdeveloped countries, importance of blood donations

Head of Supply Chain for Connect, an Eco-Friendly Start Up

Aug 2020 - May 2021

- The Connect Pen: an eco-friendly solution to disposable pens and plastic waste
- Placed in multiple innovation/entrepreneurship competitions

Projects

EduShare Hub (Python, Flask, AppSmith, MySQL, Docker)

An educational resource sharing application

- Used CRUD operations to manage database, enabling seamless addition, alteration, and removal of educational resource
- Utilized Docker containers to encapsulate application, ensuring consistent and isolated runtime environment

MineSweeper Clone (Java)

March 2024

A Java game that recreates Minesweeper

- Recreated core features of Minesweeper, flood-fill effect, winning/losing features, difficulty level and score keeping

Wardrobe Wizard (React, HTML, CSS, JavaScript, GitHub, Supabase)

Jan - Apr 2024

A full-stack web application that virtualizes and curates your wardrobe

- Developed a database of user inputted wardrobe items & implemented user authentication
- Dynamically populated user's wardrobe a user logs in, allowing access to their wardrobe and outfit generation

Honors and Awards

Hack The Patriarchy, Best Rookie Award (2023)

Northeastern Dean's Connection Scholarship

President's Volunteer Service Award (PVSA), Gold (2021, 2022)

Rice Entrepreneurship Business Plan Competition, Top Four

Microsoft Innovation Challenge, Top Four

UH Bauer/Wolf Center for Entrepreneurship Think Tank Business Plan Competition, Finalist

HILSR Gold Medal & Reserve Class Champion Colored Drawing, Lot #18, Art Auctioned Price: \$20,000

Skills: HTML/CSS/Javascript, Python, Flask, Java, Dracket, SQL, React, Git/GitHub, Supabase, Appsmith, Docker