

# Kevin Elshemy

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## PROFESSIONAL EXPERIENCE

### SBU INFORMATION TECHNOLOGY DEPARTMENT

#### IT Systems Intern

**Stony Brook, New York**

**JANUARY 2024 - May 2024**

- Configured and set up new PCs, installed essential applications, and ensured proper domain integration to streamline user access and system management. Resolved hardware and software issues, including unresponsive peripherals, software installations, and domain connectivity problems, enhancing user satisfaction and system reliability.
- Provided technical assistance to faculty, staff, and students regarding hardware, software, and network issues. Ensured prompt resolution of IT-related problems. Communicated technical information clearly and concisely to clients.

### STONY BROOK RECREATIONAL CENTER

#### Referee

**Stony Brook, New York**

**AUGUST 2022 - December 2023**

- Officiated sporting events, ensuring adherence to game rules and regulations, maintaining fair play, and providing clear and decisive judgments in high-pressure situations. Managed game flow and resolved conflicts between players and coaches, demonstrating strong problem-solving skills and effective communication to uphold the integrity of the game.

### TRADER JOE'S

#### Crew Member

**Queens, New York**

**MAY 2023 - September 2023**

- Handled the ability to manage a specific aisle due to strong performance. Oversaw product levels, conducted regular counts, coordinated shipments and restocking efforts to ensure optimal inventory levels and a well-organized display for my aisle.
- Adapted to a fast-paced work environment, handling multiple tasks simultaneously and prioritizing responsibilities effectively. Operated checkout systems efficiently, handling cash/card transactions accurately while maintaining a balanced cash register.

### MCDONALD'S

#### Crew Member

**Queens, New York**

**JUNE 2021 - August 2021**

- Nominated as Crew Member of the Month for August, recognized for exemplary work ethic and leadership. Demonstrated a commitment to excellence by increasing operational efficiency and setting a high standard for team performance.
- Led a team of crew members in executing daily tasks, including food preparation, front counter operations, customer service, and maintaining cleanliness, contributing to a positive team environment and high customer satisfaction.

## PROJECTS

### KITCHEN HELPER

**JavaScript, React, Next.js, Node.js, Firebase, Gemini API**

- Developed and implemented a web application designed to manage pantry inventory and generate recipes based on available ingredients using React, Next.js, and Material-UI. Utilized the Google Gemini API to enhance recipe generation capabilities, enabling the automatic creation of tailored recipes based on available ingredients.
- Leveraged Firebase for real-time data synchronization and management, enabling seamless updates and interactions within the application. Designed and integrated backend services using Node.js and Next.js API Routes, ensuring smooth data handling and interaction between the frontend and Firebase database.

### PCAP PROGRAMMING

**Python, Wireshark**

- Developed a TCP packet analysis program to parse and analyze PCAP files, focusing on TCP flow characterization and throughput measurement. Implemented functionality to identify and count TCP flows, defined by their unique tuples.
- Extracted and reported key TCP flow details, including sequence numbers, acknowledgment numbers, and receive window sizes. Utilized PCAP libraries to parse and process binary packet data, converting it into a readable format.

### ESPORTS DATABASE

**SQL**

- Constructed a database to track and manage data for the professional eSports scene for the games League of Legends and Valorant. Created detailed tables and relationships to store information on players, teams, leagues, and specific game statistics, ensuring accurate and efficient data retrieval. Developed complex SQL queries to generate various reports.

### TWITTERBOT

**Python, Twitter API**

- Implemented automation scripts for tasks such as posting regular updates, retweeting, and responding to user interactions using the Twitter API. Enhanced online engagement and maintained consistent content flow.

## TECHNICAL SKILLS

- FRAMEWORKS/LANGUAGES:** PYTHON, REACT, CSS, HTML, NEXT.JS, JAVA, JAVASCRIPT, SQL, FIREBASE, NODE.JS, RUBY, MATERIAL-UI
- DEVELOPER TOOLS/PROJECT MANAGEMENT:** GIT, GITHUB, VS CODE, INTELLIJ, MS ACCESS, PYCHARM, ECLIPSE

## EDUCATION

### STONY BROOK UNIVERSITY

#### Bachelor of Science in Information Systems

**Stony Brook, New York**

**AUGUST 2020 - May 2024**

- GPA: 3.5/4
- Notable Courses: Data Structures, Analysis of Algos, Comp Geometry, Database Design, Computer Networks, Systems Admin, Computer Security, Intro to Network Admin, UI Development, Scripting Languages, Object-Oriented Programming