Shivali B Patel

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EDUCATION

Rutgers University – New Brunswick, NJ • **May 2023** *BA in Computer Science* • Minor: History • Cumulative GPA: 3.76/4.00

TECHNICAL SKILLS

Java, C, Python, JSON, SQL, HTML, CSS, Figma, Object Oriented Programming, UML, GUI frameworks, Bitbucket, Android Studios

RELEVANT COURSEWORK

Computer Science: Intro Computer Science, Data Structures, Computer Architecture, Discrete Mathematics 1 & 2, Data Science, Object Oriented Programming, Principles of Information and Data Management, Intro to Artificial Intelligence

PROJECTS

Photo Library | Object Oriented Programming class project | **March 2022**

• Implemented Java, FXML and Java GUI frameworks to create an application that stores and displays photos from the user's desktop in an album that allowed for insertion, deletion, a slideshow style view, addition and editing of captions, addition and deletion of tags, and a searching system that searched by date and by specified tags.

Chess App | Object Oriented Programming class project | **April 2022**

• Implemented Java and XML to create a chess app on Android Studios that works as two player chess game which has implemented all the basic chess piece movements and en passant, encastling, promotion, check, and has a working undo button, Artificial Intelligence button which chooses a random legal chess movement for the player, and a resign and draw button. • The app also implements a recording and playback feature where the movements of a game is recorded and named at the end of the game and is stored for playback at a later time.

EMPLOYMENT EXPERIENCE

Weichert Realtors | Business Analyst Intern | Parsippany, NJ **June 2022 – August 2022**

• Collaborated with DevOps team to test and clear bugs in the development system for the production system. • Managed COLA expenses, recurring payments and relocation budgets for Weichert clients. • Edited and reformatted contracts and permissions forms to fit the E-Signature program in Weichert Go systems.

Rutgers University | Intro to Computer Science and Data Structures Tutor | New Brunswick, NJ **September 2021 – May 2022**

• Incorporated debugging skills to aid an average of 10 students a week with creating solutions for incomplete or error filled programming projects. • Explained data structures concepts such as Linked Lists, Binary Trees and sorting algorithms to students.

Iron Peak Sports & Events | Rock-climbing Instructor & Camp Counselor | Hillsborough, NJ **June 2021 – August 2021**

• Collaborated with a team to plan engaging activities for a camp of 50-70 children.

LEADERSHIP & VOLUNTEER EXPERIENCE

F.A.C.E Modeling Team | Secretary| New Brunswick, NJ **September 2022 – May 2023**

• Prepares a record book of all business decisions, paperwork and organizes the minutes for each meeting.• Maintains the organization's emails and attendance, responding to them in a timely manner. • Acts as the representative for general club members concerns and ensures that all members are having an enjoyable and safe time in the club.

Rutgers Rockclimbing | Recreational Team Captain| New Brunswick, NJ **September 2021 – May 2022**

•Designed and led workouts and climbing practices for 150+ members recreational team. • Planned 3-4 community outings a semester, 3 fundraising activities and 2 technical climbing clinics for the team.

HONORS & ACTIVITIES

Women in Computer Science September 2020 - Present • Professional interests club, General Member

Phi Alpha Theta Honor Society April 2023- Present • General Member