Abdurraouf Etagiuri

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EDUCATION

University of Saskatchewan — Saskatoon, SK
Bachelor of Science in Computer Science — *2025 (Expected)*
- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Web Development, and Software Engineering

Advanced Innovation Group Pro Excellence — AIPGE
Lean Six Sigma Yellow Belt Certification — *Achieved*

EXPERIENCE

PSI Technologies Inc — Sept. 2023 – Present
Software Developer Intern — *Saskatoon, SK*
- Optimizing software quality, user satisfaction, and effective Quality Assurance, by developing a Civil Engineering Data Visualization Application using C#, MVVM principles, .NET Core, and DevExpress
- Collaborating on PSISams3D and PSIVisions3D projects, by maintaining end-to-end development in code reviews and peer sessions, resulting in a **10%** boost in developer efficiency
- Increasing team productivity by **5%** and reduced project completion time while collaborating with a team of 5 to maintain a stable application for 100 users

University of Saskatchewan ⍉ — Sept. 2022 – Dec. 2022
Class Software Developer — *Saskatoon, SK*
- Collaborated in a 5 person team, utilized JavaScript, React.Js, and Next.JS for front-end development, paired with TailwindCSS for styling, while making use of Amazon Amplify for a responsive back-end system
- Designed functional features for experiential users, such as adding, removing books from the database, viewing book reservations, late payment fee, and age group filtering, resulting in an estimate of **30%** increase in user satisfaction
- Applied Agile Scrum Methodologies with daily standups and weekly sprint meetings, achieving a **20%** increase in feature delivery speed, enhancing team adaptability and performance against code completion and project goals

PROJECTS

To-Do List Mobile Application ⍉ | *Dart, Flutter* — Jul. 2023 – Sept. 2023
- Developed a dynamic and user friendly to-do application using Dart and Flutter, allowing users to organize their daily tasks and responsibilities
- Implemented essential task management features, including adding new tasks, marking tasks as completed, deleting unnecessary items, and searching for specific to-dos, anticipated **15%** in user satisfaction
- Integrated a sorting feature within the to-do app, allowing users to effectively categorize and rank tasks based on importance, timeline, and complexity, resulting in an improved optimization of user workflow by an estimated **20%**

ChillChat Messenger Application ⍉ | *JavaScript, React.JS, Node.Js, Docker, MySQL* — Feb. 2023 – Apr. 2023
- Developed a creative full-stack web application featuring a sign up system, the ability to request, join, and leave chat rooms, as well as the option to set a limit of members to join a specific chat
- Integrated CORS for secure communication, while using Socket.io for real-time messaging, including a searchable channel directory, offering users to create both private or public channels, reducing back-end processes by **10%**
- Implemented a MySQL database with over **7 tables**, designed to store user information including user IDs, messages, usernames, emails, encrypted passwords, and channel histories

Mouse Spy Assistive Navigator ⍉ | *Python, Google MediaPipe* — Sept. 2022 – Oct. 2022
- Developed an immersive Python program leveraging the cutting-edge MediaPipe framework, enabling users to control the computer mouse using natural eye movements for a more enjoyable experience
- Advocated for normalizing computer use by demonstrating how the application helps people with motor disabilities, empowering them to use computers independently
- Implemented an intuitive feature enabling users to perform mouse clicks through eye blinking, providing a hands-free approach to computer interaction

TECHNICAL SKILLS

Languages: Python, Java, C#, JavaScript, SQL, HTML/CSS, Bash/Shell Scripting
Frameworks/Tools: React.JS, Node.JS, Docker, MySQL, DevExpress, .Net Core, BitBucket, Git, Slack, Agile/Scrum