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 PSIVisions3D and PSISams3D 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

Library Management System ⦿ — 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 and removing books from the database, viewing book reservations, filtering books by age group, and late payment fee feature 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, to improve user satisfaction
- Designed and integrated a prioritization feature within the to-do app, allowing users to effectively categorize and rank tasks based on importance, timeline, and complexity, resulting in optimization of user workflow

Group Messaging 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 to enable secure communication between users, while using Socket.io to allow real-time messaging. Including a searchable channel directory, offering users to create both private or public channels
- Implemented a MySQL database to store user information including messages, usernames, emails, encrypted passwords, and channel histories

The Mouse Spy ⦿ | *Python, Google MediaPipe* — Sept 2022 – Oct 2022
- Developed an innovative Python program leveraging the cutting-edge MediaPipe framework, enabling users to control the computer mouse using natural eye movements for a more immersive experience
- Advocated for normalizing computer use by disabled people by demonstrating how the application can assist individuals 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#, SQL, JavaScript, HTML/CSS, Bash/Shell Scripting
Frameworks/Tools: React.JS, Node.JS, Docker, MySQL, DevExpress, .Net Core, BitBucket, Git, Slack, Agile/Scrum