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, Software Systems, Database Systems, Web Development, and Software Engineering

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

EXPERIENCE

Headstarter AI   Jul. 2024 – Present
Software Engineer Fellow   *Long Island City, NY*
- Building **5** AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI with **98%** accuracy seen by **1000** users
- Developing projects from design to deployment leading **4+** engineering fellows using MVC design patterns
- Currently being coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git, and microservice patterns

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 **25%** reduction in code defects and a **30%** improvement in development speed
- Increasing team productivity, user engagement by **20%** and reduced project completion time while collaborating with a team of **5** to maintain a stable application for **1000** users

PROJECTS

AI Pantry Web Application ⌂ | *JavaScript, Next.JS, Firebase, OpenAI API*   Jul. 2024 – Aug. 2024
- Developed a dynamic pantry management web application using Next.JS and JavaScript, allowing users to efficiently add, remove, search, increment, and decrement pantry items with a responsive all device design
- Implemented a feature to generate recipe suggestions based on pantry items, using artificial intelligence to analyze available items and output related recipes, enhancing user engagement and utility
- Integrated Firebase for secure user authentication, enabling sign-up and sign-in while live-storing users personalized pantry items and their quantities in the database

ChillChat Messenger Application ⌂ | *JavaScript, React.JS, Node.JS, Docker, MySQL*   Feb. 2023 – Apr. 2023
- Constructed 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
- Deployed 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%**
- Established a MySQL database with over **7 tables**, designed to store user information including user IDs, messages, usernames, emails, encrypted passwords, and channel histories

Library Management System ⌂ | *JavaScript, React.JS, Next.JS, AWS*   Sept. 2022 – Dec. 2022
- 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

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
Abilities & Interests: Interpersonal Skills, Testing & Debugging, Hackathons, Software Development Life Cycle, AI