AHMED AZMAINE **ALVEE**

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Objective

Software Engineering Intern passionate about solving real-world problems through innovative technologies. Currently pursuing a Bachelor's in Computer Science at the University of Calgary (Class of 2027), with a strong foundation in data structures, algorithms, software design, and software systems. Experienced in team-based software projects, coding in Python, Java, and C++, and applying agile methodologies. Seeking to contribute to RBC's Strategy & Innovation team with strong communication, interpersonal relationships, and continuous personal development.

Technical Skill

- **Programming Languages:** Java, Python, C++, JavaScript, SQL, HTML, CSS
- **Tools & Frameworks:** Git, GitHub, ReactJS, JavaFX, JUnit, SQLite
- **Development:** Software Design, Object-Oriented Programming, REST APIs, SDLC
- **Core Concepts:** Data Structures, Algorithms, Software Systems, Computer Literacy
- **Practices:** Agile, Mentorship, Coaching, Unit Testing, Community Building
- **Platforms:** Windows, Linux, macOS

Education

Bachelor of Science: **Computer Science** , University of Calgary, Calgary, AB   **Expected in 08/2027**

Intro to Computer Science, Data Structures & Algorithms, Advanced Algorithms, Operating Systems, Software Engineering, Cryptography, Quantum Computing, Networking, Machine Learning

Work Experience

Wireless Sales Consultant and Customer Experience , BELL,BCI   **09/2024 to 02/2025**
- Delivered tailored customer solutions and improved retention through tech-based consultations
- Trained new hires on internal CRM tools and product handling protocols
- Logged client issues, reducing escalations by 25% and proposing system enhancements

Projects

Secure Password Manager
Java, JavaFX, AES Encryption, SQLite | September 2024 – December 2024
- Created a secure credential management app using AES encryption and robust software design
- Reduced login errors by 20% through input validation and WSDL-based session handling
- Completed the full software project lifecycle including documentation and presentation
- Enhanced personal initiative and communication through iterative peer feedback

Online Multiplayer Game Platform
ReactJS, Java, JavaFX, REST APIs, JUnit | January 2025 – April 2025
- Led a team-based software project enabling online play for Checkers, Connect Four, and Tic-Tac-Toe
- Delivered 95% unit test coverage with JUnit and improved system responsiveness by 30%
- Practiced agile sprint planning, code reviews, and real-time collaboration with GitHub
- Explored emerging technologies including AWS hosting for multiplayer features

Student Expense Tracker Dashboard
Java Swing, JavaScript, SQL | May 2024 – July 2024
- Built a finance tracking system for students featuring categorized budgets and graphical summaries
- Optimized performance using indexed queries and efficient file I/O, improving speed by 40%
- Simulated real-world big data through virtualization and secure data handling techniques

Leadership & Volunteering Experience

Orientation Leader — University of Calgary
- Led sessions on IT onboarding, cybersecurity, and platform navigation for over 100 students

Peer Mentor — UCalgary
- Conducted code reviews, taught Git version control, and encouraged creativity through agile mentoring

Volunteer — Science Fundamentals
- Supported technical logistics for student showcases; demonstrated project demos and resolved live issues and supported interactive booths, coordinated outreach, and promoted presentation skills

Additional Highlights

- Strong communication and listening skills refined through teaching, mentoring, and tech sales
- Adept in coaching peers and team members through complex programming challenges
- Proven record of measurable impact, professional development, and consistent initiative