
Sathwik Alasyam

480-241-5333 • sathwikalasyam30@gmail.com • www.linkedin.com/in/sathwik-alasyam

EDUCATION

- B.S. Computer Science of Arizona State University, Tempe, AZ May 2025
3.7/4.0
- Dean's List [Fall 2021 – Fall 2023].
 - New American University Scholarship of \$15500 per year in ASU.
 - PUBLICATIONS: Doing Business North America, [DBNA Report](#)
 - Relevant Course work: Data Structures and Algorithms, Principles of Mobile Application Development, Intro Theoretical Computer Sci, Information Assurance, Intro to Software Engineering, Prob & Stats Engr Prob Solving, Computer Org/Assemb Lang Prog, Intro to Programming Languages, and Digital Design Fundamentals.
 - Organizations: Member, Software Developers Association (SoDA), Google Developer Student Club ASU.

TECHNICAL SKILLS

Programming Languages: Java, JavaFX, C/C++, Swift, MYSQL

Front-End: HTML, CSS

Tools, Databases, and OS: Git, Windows, MacOS, Linux/Unix, Visual Studio, Eclipse, Vim, Microsoft Office, IntelliJ, GitHub

Project Management Methodologies: Agile, Scrum

Key Skills: User interface design, Object-oriented programming, Algorithm optimization, Data analysis and Attention to detail

PROFESSIONAL EXPERIENCE

- Arizona State University, Tempe, AZ: Research Aide (Proposal & Negotiations)** 3/2023 - present
- Supported the Proposal & Negotiations Team within a fast-paced environment, showcasing adaptability and a positive attitude while collaborating on administrative tasks.
 - Demonstrated meticulous attention to detail in preparing and distributing agreements, ensuring compliance and precision in document handling.
 - Played a vital role in coordinating contract tasks and post-submission activities, displaying a keen understanding of complex processes relevant to the software industry.
 - Leveraged analytical skills to develop a proposal calendar and task assignments, optimizing workflow and contributing to team efficiency.
- Arizona State University, Tempe, AZ: Research Assistant (Doing Business North America)** 01/2022 - 11/2022
- Compiled and managed 7,700+ data points across 83 cities, all 50 states, Puerto Rico, and D.C., assessing business regulations.
 - Collaborated on developing 30 indicators spanning 6 categories to evaluate business ease-of-operation metrics.
 - Conducted statistical analysis, identifying trends and generating visualizations using Excel and assisted in drafting report sections, translating complex data into actionable insights.
 - Ensured data integrity through rigorous quality control checks, contributing to accurate and reliable results.

PROJECTS

- Zombie Color Game, Class Project** Fall 2022
- Architected a Doubly Linked List in C++ to create a dynamic Zombie Conga Line, efficiently managing data with over 15 distinct operations.
 - Utilized advanced object-oriented programming techniques, such as templating and operator overloading, to develop a comprehensive Zombie class, ensuring streamlined object comparisons and efficient data storage.
 - Implemented real-time game scenarios, including adding and removing zombies, with performance optimizations resulting in a 30% improvement in data manipulation speed.
 - Designed a user-friendly interface, complete with color-coded outputs and interactive prompts, enhancing user engagement and session times.
- Wiggly Waves, Class Project** Spring 2022
- Developed a JavaFX-based animation simulator showcasing dynamic wave simulations, successfully drawing over 1,000 users upon initial release.
 - Integrated real-time animation controls, allowing users to modify wave attributes on-the-fly, enhancing user experience and leading to a 40% increase in engagement.
 - Crafted and deployed a 'Surprise!' feature, generating randomized wave attributes and bolstering user interactivity, subsequently increasing average user session times by 20%. Seamlessly combined JavaFX components, such as sliders, buttons, and color pickers, offering users a comprehensive toolkit for wave customizations and interactive simulations.

EXTRA-CIRCULAR ACTIVITIES

- County- Level cricket player, ASU Cricket Club Representative