

# Bryce Jarboe

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Portfolio: <https://brycejjarboe.com/projects> | LinkedIn: <https://www.linkedin.com/in/bryce-jarboe/>

## OBJECTIVE:

Detail-oriented Computer Science graduate with robust experience in software development and data management. Proficient in designing and implementing high-performance solutions using Java, C++, and Python. Adept at working in agile settings, contributing to innovative projects, and leveraging cloud technologies to enhance data analytics and processing capabilities. Passionate about optimizing systems for scalability and performance in dynamic environments.

## WORK EXPERIENCE:

### Python Automation Engineer: Freelance Contracts (Aug 2024 - Present)

- Developed AI-driven automation tools, enhancing data management workflows and system efficiency.
- Created a resume optimization platform utilizing Python and machine learning, improving user experience and reducing costs.
- Focused on delivering scalable solutions aligned with client requirements, showcasing adaptability in fast-paced environments.

### System Administrator (Internship): SDSU College of Sciences (Feb - May 2024):

- Managed a Multi-OS LAN environment, utilizing Azure and VMware for virtual machine configuration and monitoring, enhancing system reliability.
- Configured and maintained network infrastructure, ensuring high availability and security of services critical to data operations.
- Developed automation scripts for routine tasks, improving operational efficiency and minimizing system downtime.
- Gained hands-on experience in troubleshooting and maintaining systems under real-time conditions, reinforcing problem-solving skills.

### Shift Lead: T&M Dao Inc (Aug 2019 - Present):

- Led teams in high-pressure environments, enhancing operational efficiency and customer satisfaction.
- Managed inventory and transaction processes, ensuring accuracy and streamlining operations.
- Fostered positive team dynamics through effective communication and conflict resolution.

### Volunteer Work: Knights of Columbus (Official Admittance May 2024 - Present)

- Engaged in community service initiatives, developing strong organizational and interpersonal skills.

## EDUCATION:

**Bachelor of Science, Computer Science**  
**San Diego State University**

**Graduated with Distinction**  
**May 2024**

**Relevant Coursework:** Operating Systems, Data Structures & Algorithms, Software Development, Machine Learning, Systems Programming, Performance Engineering

## SKILLS:

### Technical Proficiencies:

- *Programming Languages:* Java, C++, Python, C#, JavaScript
- *Web Technologies:* HTML5, CSS3, React, Node.js
- *Tools & Platforms:* Git, VMware, Azure, GCC/G++, Visual Studio IDE
- *Scripting:* Shell, Batch

**Strengths:**

- Strong foundation in data structures, algorithms, and object-oriented design
- Proficient in developing scalable, efficient code
- Experience in cloud environments and distributed systems
- Able to learn new technologies swiftly
- Analytical thinker with strong debugging and problem-solving capabilities
- Effective communicator in collaborative settings

***SELECTED PROJECTS:***

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***Automated AI Image Generation Pipeline: Python, Node.js, Discord API***

- Designed a scalable image generation workflow, streamlining user interaction with AI models.
- Implemented cloud-based solutions for enhanced performance and accessibility.

***Race Condition Delivery System: C/C++, PThread lib***

- Engineered a multithreaded application, ensuring efficient data processing and synchronization.

***Home Ubuntu Lab: System/Network Management, Shell Scripting***

- Managed a personal automation lab to enhance skills in system and network management.
- Automated routine tasks, improving performance and reliability of operations.

*References available upon request*