Bryce Jarboe

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OBJECTIVE:

Detail-oriented Computer Science graduate with a passion for developing innovative technology solutions. Proficient in modern programming languages such as Java, Python, and C++. Experienced in building scalable, fault-tolerant systems and collaborating in agile environments. Eager to leverage strong problem-solving skills and technical knowledge to contribute to impactful projects at Amazon, focusing on customer-driven solutions and industry-leading technology.

WORK EXPERIENCE:

Python Automation Engineer: Freelance Contracts (Aug 2024 - Present)
- Designed and implemented scalable, AI-driven automation tools to enhance workflow efficiency and reduce operational costs.
- Developed a resume optimization platform using Python and GPT-4 APIs, streamlining services for clients.
- Focused on delivering high-impact results through innovative problem-solving, emphasizing customer needs.

System Administrator (Internship): SDSU College of Sciences (Feb - May 2024):
- Managed multi-OS LAN environments utilizing Azure and VMware, enhancing system stability and resource allocation.
- Configured and troubleshot network infrastructures, ensuring high availability and security of services.
- Automated daily operations through shell scripting, improving efficiency and minimizing errors in system performance.
- Developed foundational expertise in systems diagnostics and maintenance in live environments.

Shift Lead: T&M Dao Inc (Aug 2019 - Present):
- Led a team in a high-volume environment, fostering collaboration and efficiency while ensuring quality standards.
- Managed customer service operations, enhancing customer loyalty through effective conflict resolution and support.
- Streamlined inventory management processes, contributing to operational efficiency and accuracy.

Volunteer Work: Knights of Columbus (Official Admittance May 2024 - Present)
- Engaged in community service and event organization, enhancing teamwork and logistical skills.

EDUCATION:

Bachelor of Science, Computer Science	**|**	**Graduated with Distinction**
San Diego State University	**|**	**May 2024**

Relevant Coursework: Systems Programming, Operating Systems, Data Structures & Algorithms, Machine Learning, Software Development, Computer Architecture, Linear Algebra

SKILLS:

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

Strengths:
- Strong foundation in data structures, algorithms, and object-oriented design
- Experience with distributed systems and optimization techniques
- Adept at handling ambiguous problems and rapid development cycles
- Analytical thinker with robust debugging skills
- Effective communicator with a collaborative mindset

SELECTED PROJECTS:

Automated AI Image Generation Pipeline: ComfyUI (Node-based), Python, Flux AI model
- Designed and implemented an automated image generation workflow using Python, Discord API, and ComfyUI to streamline and simplify access to the AI model, Flux.
- Developed a robust system that allows users to generate images directly within Discord by integrating Flux's output into a real-time, node-based interface.
- Enabled users to interact seamlessly with the model through Discord, improving overall accessibility and engagement.

Reverse Assembler: C++, SIC/XE
- Built a reverse assembler that converts machine code into assembly instructions.
- Gained experience with low-level programming and debugging complex instruction sets.

Automated Media Transfer and Export Pipeline: Python, CLI Tool, API interaction
- Developed a Python script that scrapes, organizes, and distributes media content.
- Automated file naming convention and hashing based on meta data.
- Automated media uploaded to Discord servers through API interaction.
- Implemented robust error handling and logging.
- Developed to be cross-platform, functional for both Windows and Linux machines.

References available upon request