

David DeMers

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EDUCATION

Arizona State University

Bachelor of Science in Software Engineering | Expected May 2025 | **GPA: 3.7**

Relevant Coursework:

- Operating System Programming
 - Data Structures and Algorithms
 - Software Construction
 - Computer Hardware & Assembly Programming
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TECHNICAL SKILLS

- **Languages:** Java, C, C++, Python
 - **Development Tools:** GitHub, Gradle, JSON, JUnit
 - **Software Development:** Agile, Static Analysis (Checkstyle, SpotBugs, JaCoCo)
 - **Databases:** MySQL, PostgreSQL
 - **Operating Systems:** Windows, Linux, Multi-threading, System Programming
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PROJECTS & EXTRACURRICULAR ACTIVITIES

Multi-Threaded Image Processor (C, Linux)

Summer 2024

- Built a multi-threaded image processor optimizing performance via parallel processing.
- Used C programming, structs, file I/O, and command-line arguments for efficient execution.

Bus Buddy – Java-Based Bus Scheduling System

Summer 2024

- Collaborated with 4 developers on a 29,000+ line Java codebase to improve route scheduling.
 - Designed a JSON-based node system for efficient route storage & retrieval.
 - Developed a shortest-path algorithm reducing travel time by **X%** (*if applicable, add metric*).
 - Built a JavaFX UI for real-time route visualization.
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PROFESSIONAL EXPERIENCE

Starbucks Coffee Company | Benicia, CA

September 2019 – January 2025

Barista

- Delivered high-volume customer service efficiently in a fast-paced setting.
- Developed problem-solving & collaboration skills, ensuring smooth operations.
- Managed order preparation, cash handling, & quality control, maintaining company standards.
- Assisted in training new hires, developing leadership & mentorship abilities.
- Identified workflow inefficiencies, improving service speed & customer experience.
- Strengthened time management & adaptability, applicable to Agile workflows in software engineering.