**JACOB BILES**

Colorado Springs, CO • 720-380-4872 • jacobbiles.personal@gmail.com • [LinkedIn](https://www.linkedin.com/in/jake-biles-4b7776258/)

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| EDUCATION**Bachelor of Innovation Computer Science, GPA 3.5**University of Colorado, Colorado Springs, CO, Anticipated 2025CERTIFICATIONS**Certificate of Excellence, Java Programming, 1**/2/2022Programming Hub - Google Developers Launchpad**Certificate of Excellence, Blockchain,** 1/2/2022Programming Hub - Google Developers Launchpad**Certificate of Excellence, C#,** 1/10/2022Programming Hub - Google Developers LaunchpadORGANIZATION INVOLVEMENT**Association for Computing Machinery (ACM), 2023-2024****National Honors Society, 2024**PERSONAL PROJECTS**Student Account Python-SQL Database Connection:** In progress project, where a student, admin, or teacher can connect to a database. Perform actions such as checking grades, entering test scores, or adding or removing accounts.CLASS PROJECTS**POS C-Based System:** Features buffer protection, input validation, and management options for secure and efficient point-of-sale operations.RELEVANT COURSEWORK**Data Structures and Algorithms****Concepts of Programming Languages****Programming with Unix****Introduction to Software Engineering****Computer Organization and Assembly Language**WORK EXPERIENCE**Kroger / King Soopers**, Parker, CO 10/2016 – 1/2020***Click List Clerk**** Served as a fill-in manager responsible for leading a three-person night shift and ensuring closing procedures.
* Leveraged experience in order management and fulfillment to develop a strong understanding of process optimization, directly transferable to software development cycles and Agile methodologies.
* Trained new members, ensuring long-term success and knowledge retention.
* Optimized order processing workflows to significantly reduce order placement times, enhancing efficiency and customer satisfaction.
* Gained hands-on experience in point of sale (POS), system management, data collection, and operational analytics.
 | PROFESSIONAL SUMMARYUpcoming graduate with a strong academic background in computer science and hands-on training in full-stack (front-end and back-end) development. Collaborative, personable, and analytical. Writes clean, well-structured code. Skilled at updating and repairing legacy or damaged code. Adept in various programming languages, frameworks, and tools, complemented by a strong foundation in system architecture and database management. Creative and detail-oriented with advanced problem-solving skills. Excels in both team-oriented projects and individual coding tasks. Excited to learn new skills and expand my knowledge about software design and implementation.HARD SKILLS

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| Software DesignAgile DevelopmentTroubleshootingSystem ArchitectureMathematicsGit / GitHubRelational DatabasingSoftware TestingTesting LibrariesAuthentication and Authorization | JavaCC++PythonSQLUnixX86 AssemblyJavaScript CSSHTML |

SOFT SKILLS

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| InnovationTroubleshootingOptimizationDocumentationCommunicationAdaptabilityAnalytics | CollaborationTeamworkFlexible DesignPlanningProblem-SolvingOrganizationResponsibility |

REFERENCESRory Lewis, Professor in Computer Science, Business LawUniversity of Colorado, Colorado Springs(719) 439-7727, rlewis@uccs.eduDebrah Harding, Academic Professor in Computer ScienceUniversity of Colorado, Colorado Springs, dharding@uccs.eduColleen Stiles, Academic Professor in Innovation, University of Colorado, Colorado Springs, (719) 330-0353, cstiles@uccs.edu |