**JACOB BILES**

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| EDUCATION  **Bachelor of Innovation Computer Science, GPA 3.5**  University of Colorado, Colorado Springs, CO, Anticipated 2025  CERTIFICATIONS  **Certificate of Excellence, Java Programming, 1**/2/2022  Programming Hub - Google Developers Launchpad  **Certificate of Excellence, Blockchain,** 1/2/2022  Programming Hub - Google Developers Launchpad  **Certificate of Excellence, C#,** 1/10/2022  Programming Hub - Google Developers Launchpad  ORGANIZATION 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 SUMMARY  Upcoming 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   |  |  | | --- | --- | | Software Design  Agile Development  Troubleshooting  System Architecture  Mathematics  Git / GitHub  Relational Databasing  Software Testing  Testing Libraries  Authentication and Authorization | Java  C  C++  Python  SQL  Unix  X86 Assembly  JavaScript  CSS  HTML |   SOFT SKILLS   |  |  | | --- | --- | | Innovation  Troubleshooting  Optimization  Documentation  Communication  Adaptability  Analytics | Collaboration  Teamwork  Flexible Design  Planning  Problem-Solving  Organization  Responsibility |   REFERENCES  Rory Lewis, Professor in Computer Science, Business Law  University of Colorado, Colorado Springs  (719) 439-7727, [rlewis@uccs.edu](mailto:rlewis@uccs.edu)  Debrah Harding, Academic Professor in Computer Science  University of Colorado, Colorado Springs, [dharding@uccs.edu](mailto:dharding@uccs.edu)  Colleen Stiles, Academic Professor in Innovation, University of Colorado, Colorado Springs, (719) 330-0353, [cstiles@uccs.edu](mailto:cstiles@uccs.edu) |