Christian Barreto

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Aspiring backend software engineer with a basic but growing foundation in programming and mathematics, seeking an internship opportunity to apply and enhance technical skills in a dynamic team environment at *insert company name*

EDUCATION

Associates of Science, Fall 2020 – Spring 2022
Central Arizona College| Coolidge, Arizona

Bachelor of Science in Computer Science, Expected Graduation of Spring 2025
New Mexico State University | Las Cruces, NM
College of Arts and Sciences

Relevant Courses Taken: Object Oriented Programming, Machine Programming, Discrete Math, Software Development, Introduction to Data Structures, Linear Algebra, Differential Equations

Relevant Courses in Progress: Compilers and Automata Theory, Data Structures and Algorithms, Computing Ethics and Social Implications of Computing, Modern Web Technologies

SKILLS

- Software Development, Object Oriented Programming, GUIs, Data Structures
- Entry level familiarity with Java and C++
- Entry level familiarity with git and partial usage of different IDEs such as Eclipse and Arduino
- Highly Proficient in Calculus, Linear Algebra, Discrete Math, and Differential Equations

RELEVANT COURSE EXPERIENCE

The MazeRunner | Las Cruces, NM | *Software Development Project*   Fall 2023
- Became scrum master of a team of four to create a game within the period of 5 separate sprints. Additionally assigned each team member to a certain responsibility of the project and had them communicate their progress throughout the project ensuring each sprint was carried out effectively.
- Brainstormed the idea of a fully functioning user interactive maze navigation game that navigates users throughout a maze using Java Swing.
- Constructed a Boolean randomly generated maze using a recursive backtracking algorithm to design maze structure. Additionally, incorporated object-oriented programming concepts like inheritance and composition to add a welcome screen, a victory screen, and a timer to enhance the game experience.
- Implemented the scrum process of software development to meet user requirements such as black box testing and user stories in sprints to enhance our project design and functionality to meet the expectations/requirements of our audience.

Arduino Programming | Las Cruces, NM | *Machine Programming Lab*   Spring 2023
- Used AVR programming language to create a program that successfully fulfills the requirements of having a fully functional and accurate light sensor.
- Implemented register configurations to optimize sensor readings, demonstrating an understanding of low-level hardware interactions and ensuring precise data was shown in the sensor readings.
- Properly set up Arduino by placing the appropriate wires and sensors into the right registers and tested/debugged the code to verify both the Arduino and the code achieved the right functionality.

WORK EXPERIENCE

- **Starbucks |** Queen Creek, AZ **|** *Barista*   February 2021 – October 2021
- **Red Robin |**Queen Creek, AZ **|** *Service Partner*   June 2022 – August 2022

COLLEGIATE INVOLVEMENT

- Varsity Cross Country/ Track | CAC   August 2020 – May 2022
- Varsity Cross Country | NMSU   August 2022 – Present