Joseph Penton

Gardendale, AL 35071

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Education

University of Alabama at Birmingham
Bachelors in Computer Science, Minor in Psychology

Expected Graduation: May 2024
Academic Merit Scholarship, Band Scholarship

Relevant coursework: Data structures & algorithms, OOP, Web development, Software Engineering, Database Development, Computer Organization/Lang

Technical Skills

Languages: Python, Java, C, Assembly, PostgreSQL, HTML, CSS, Javascript
Frameworks: JavaSwing, JavaFX,
Other: Autodesk (AutoCad, Inventor, Revitt)

Projects

Coffee Shop Order Interface | Java, JavaSwing | Spring 2023
- Developed a Java project utilizing the Java Swing library to design an intuitive user interface facilitating coffee customization, ordering, and order review functionalities. Implemented add-on features to enhance user experience. Incorporated a robust order history viewer, providing seamless access to previous orders.

Scientific Calculator | Java, JavaSwing | Spring 2023
- Created a simple scientific calculator using object-oriented principles that implements user friendly interactions via buttons and text-fields using the JavaSwing library.

Precision Farming Software | Java, JavaFX | Current
- Currently developing a JavaFX-based precision farming simulation software with 3 other students that employs animated drones to automate essential farming tasks. This project entails developing a visually immersive and customizable user interface and integrating drones for tasks like crop monitoring, reading soil moisture, spreading seed/nutrition, scouting animals in field, among other task. My work combines programming skills with agriculture technology, aiming to create an interactive tool that educates and simulates real-world precision farming scenarios.

Majestic Pies | HTML, CSS, Javascript | Current
- Currently designing a responsive website with another student using HTML, CSS, and Javascript for a local family-owned pizza restaurant, enabling them to accept online orders, as well as better retain customers via promotions. Planned to implement real-time menu updates, secure payments, and a user-friendly interface, resulting to an increase in online

Professional Experience

I am looking to gain experience within the field! Please contact me via phone number or email for any opportunities!