# Trevon Darby
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Permanent Residence: Columbia, SC

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## Education

**University of South Carolina**, Columbia, SC
Bachelor of Science in Computer Science
Expected Graduation: Spring 2026

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## Skills

- Java, C++, HTML, Eclipse, Visual Studio Code, Client-server application, test-driven development
- SCRUM, Branching, Discord

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## Projects

**LangBite Project – Language Learning Application**

- **Role:** Developer
- **Technology Stack:**
  - **Backend:** Java
  - **Frontend:** JavaFX
  - **Additional Tools:** JSON for data organization, JUnit for testing
- **Key Responsibilities and Skills Developed:**
  - Delivered an engaging platform balancing gamification and language learning.
  - **File Pathing and Data Integration:** Learned and implemented precise pathing techniques for file handling and integration with resources from JSON files
  - Implemented design patterns like Strategy, Observer, Singleton, and Decorator for scalability and maintainability.
  - Developed DataLoader and DataWriter classes for efficient JSON parsing and data persistence, handling user progress and lesson data.
  - Used SCRUM, to manage sprints and iterative UML updates

**HTML site as a final project**

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