

Programming Portfolio

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Technical Skills and Code Samples

Programming Portfolio

Technical Summary

I use programming to support educational design, build organized tools, and structure content.

My current skills include C plus plus, Java, HTML, CSS, and GitHub for version control and deployment.

Languages and Tools

- C plus plus: pointers, classes, linked lists, memory management basics
- Java: object oriented programming, constructors, validation, simple data applications
- Web: HTML, CSS, responsive layouts, semantic structure, simple components
- GitHub: version control, commits, branches, GitHub Pages static site hosting

Sample C plus plus Code: Linked List

```
struct Node {  
    int value;  
    Node* next;  
};
```

```
class LinkedList {  
private:  
    Node* head;  
public:  
    LinkedList() : head(nullptr) {}  
    void insertFront(int v) { /* ... */ }  
    int size() { /* ... */ }  
    ~LinkedList() { /* ... */ }  
};
```

Sample Java Code: Student Class

```
public class Student {  
    private String name;  
    private int grade;  
    public Student(String name, int grade) { /* validation */ }  
    public boolean isPassing() { /* logic */ }  
    public String summary() { /* description */ }  
}
```

For more information and live examples, visit my portfolio website.