

# Madison Jade Byrd

✉ mjadebyrd@gmail.com | ☎ (803)-629-2639 | 🗺 Relocating to Alamogordo, NM (Summer 2026)

Computer science undergraduate (B.S. 2026) and teaching assistant with years of personal experience in programming and Linux systems, searching for employment in New Mexico in order to further my work experience. Passionate about building and maintaining computer systems and overcoming technical challenges.

## Education

---

### University of South Carolina

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Columbia, SC

Currently Attending, Graduating May  
2026

### Midlands Technical College

ASSOCIATE IN APPLIED SCIENCE GENERAL TECHNOLOGY IN COMPUTER SCIENCE

GPA: 3.48

West Columbia, SC  
Graduated Dec 2024

## Work Experience

---

### Computer Science Lab Monitor

UNIVERSITY OF SOUTH CAROLINA CSCE 102 LAB MONITOR

Aug 2025 - Present

- Provides one-on-one guidance to students in CSCE 102: General Applications Programming, helping to write and debug HTML and CSS projects
- Collaborated with students and faculty to clarify goals and overcome technical hurdles
- Translated complex technical concepts into clear explanations, helping students build functional web pages

## Self-Initiated Experience

---

### Server Management

SETUP AND MAINTENANCE

Feb 2022 - Present

- Built and maintained a home Linux hosting AI models, network-attached RAID storage, and multiplayer video game servers through an Oracle reverse proxy, servicing users worldwide reliably

### Linux Systems Administration

LINUX

Jun 2017 - Present

- Used maintained UNIX/Linux operating systems on a daily basis for 8 years including Debian and Red Hat-based systems

### Programming projects

PROGRAMMING

Aug 2019 - Present

- A low-level kernel for x86 machines with support for PS/2 keyboard input, bitmap fonts, and 64-bit long mode

### Personal Computer Hardware

PERSONAL COMPUTER HARDWARE

Jun 2017 - Present

- Assembled and upgraded 5+ personal computers for myself and others for 8 years, troubleshooting hardware/software issues

## Relevant Classroom Experience

---

### Programming

Molinari College of Engineering  
and Computing

CSCE 240 ADVANCED PROGRAMMING TECHNIQUES

- Programming applications using pointers, memory management, and advanced object-oriented programming language structures

### Software Engineering

Midlands Technical College

ECE 240 INTRODUCTION TO SOFTWARE ENGINEERING

- Learning fundamentals of software design and development, software implementation strategies, object-oriented design techniques, and ethics in software development

## Skills

---

### Programming Languages

Java, C++, C, Shell Scripting

### Operating Systems

Windows, Linux (Debian-based, Red Hat-based)

### Tools/Frameworks

Git, GitHub, LaTeX, Docker, Microsoft Excel