Ryan Karbowniczak

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SKILLS

- Proficient in programming languages: Java (Algorithmic Design I & II), Python (Robotic Applications & Design, Intro to Computer Networks), and C++ (Advanced Programming Techniques)
- Excels in soldering on Printed Circuit Boards (Introductory Electrical Engineering Laboratory)
- Efficient in use of UNIX/Linux (UNIX/Linux Fundamentals)
- Adept with Microsoft Office Suite
- Dependable when meeting deadlines, takes initiative
- Outside-the-box thinker
- Charismatic and sociable

EDUCATION

University of South Carolina; Columbia, SC
B.S.E. in Computer Engineering
[Expected Graduation, May 2025]

- GPA - Current: 3.90; Cumulative: 3.83
- Relevant Coursework: Algorithmic Design I & II, Advanced Programming Techniques, Digital Logic Design, Intro to Computer Networks, Operating Systems, Intro to Computer Architecture, Embedded Systems, Data Structures & Algorithms, Introductory Electrical Engineering Laboratory

MEng in Computer Engineering | Accelerated Master's Program
[Expected Graduation, May 2026]

Projects/Accomplishments

- Efficiently created and implemented 7-segment displays, created a virtual base-7 counter (DLD)
- Implemented Doubly Linked Lists in Java (Algorithmic Design I)
- Set up and utilized TCP connections/local chat rooms via Python and Java (Intro to Comp. Networks)
- Created a simulated sloppy/approximate counter in C++ (Operating Systems)

WORK EXPERIENCE

McNair Junior Fellowship, Columbia, SC
Undergraduate Research | June 2024-August 2024

- Conducted research on Weight Finite Automata, Hardware Utilization of FPGA systems
- Poster currently under review to be accepted at the SC24 conference in Atlanta, GA

Perona Farms, Andover, NJ
Server | May 2023-Present

- Facilitating event operations, primarily weddings, ensuring an exceptional guest experience.
- Handling table setups, food order placements, food serving, and clearing tasks.

EXTRACURRICULARS & AWARDS

- Capstone Scholar
- President's List (Spring 2022), Dean's List (Fall 2021; Fall 2022; Spring, Fall 2023)
- President, University of South Carolina Club Men's Volleyball Team | May 2024-May 2025
- Secretary, University of South Carolina Club Men's Volleyball Team | May 2022-May 2023
- Secretary, Theta Chi Fraternity | Nov 2022-Nov 2023
- Alumni Relations Chair, Theta Chi Fraternity | Nov 2023-Nov 2024