

Dustin I. King

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Education

University of South Carolina Molinaroli College of Engineering and Computing

Columbia, SC

Bachelor of Science

05/2027

Majors: Computer Information Systems, Integrated Information Technology | **Minor:** Business Information Systems | **GPA** 3.958 / 4.0

Achievements: Dean Scholar | Palmetto Fellow Scholar | President's and Dean's List

Leadership Experience

Theta Tau CO-ED Professional Engineering Fraternity - Brother, Brotherhood Relations Chair

Columbia, SC

01/2024 - Current

- Coordinate with executive board members to align social initiatives with the fraternity's philanthropy goals.
- Orchestrate social and professional development events, balancing fraternity goals with brother engagement, specifically focusing on new member engagement during and following orientation.
- Manage and balance a \$2,000 budget, increasing event attendance from 19% to 46% in a single semester.

Gamecocks Consulting Club - Member

Columbia, SC

09/2024 - Current

- Collaborate with team members to analyze case studies and develop solutions for real-world business challenges.
- Compete in casing competitions, consistently applying strategic problem-solving skills, including securing first place in the organization's onboarding case and competing in high-level cases hosted by McKinsey.
- Participate in workshops and training sessions to improve consulting skills, including problem-solving, presentation, and client communication.

Professional Experience

US Navy Autonomous Unmanned Vessel Perception Research – University of South Carolina

Columbia, SC

11/2024 - Current

- Collaborating with multidisciplinary teams to build reliable perception technologies suited for Navy and Marine Corps missions, working on a project subfield with an overall budget of 5 million dollars.
- Assisting in the development of AI-powered EO/IR camera systems for better performance in diverse weather and lighting environments.
- Conducting physics-based analyses to evaluate sensor configurations and their effectiveness in real-world conditions.

Engineering Consultant – Psylotech

Columbia, SC

10/2024 - Current

- Engage with clients to assess their business needs, leveraging engineering expertise to develop marketing solutions.
- Design marketing strategies tailored to highlight Psylotech's technical capabilities, aligning with client goals and industry trends.
- Collaborated with a team of consultants to integrate client feedback into cohesive marketing strategies, ensuring alignment with engineering principles and market demands.

Student Manager of IT, AV, and Facilities – University of South Carolina

Columbia, SC

02/2024-11/2024

- Managed a team of 30 full-time staff and students to meet the daily needs of the building and university.
- Communicated audiovisual, security, and operating system concepts to clients who have various levels of technological knowledge.
- Troubleshoot, improved, and tailored technology to clients and other university staff members wants and needs.

Personal Projects

Video Demonstrations and Code on Personal Website

Voice Assistant With API Client and Windows System Interactions - VSCode - Python, API

- Self-programmed entirely in python, using logic handling and voice recognition to process user requests through string handling.
- Designed functions to run and complete daily tasks such as fraternity duties such as emails, messages, and calendar events.
- Used system commands and shortcuts to handle Windows background operations such as app or media handling, and API interactions.

“PickleUp” Social Media Pickleball Application - XCode, Github - FireBase - Swift/SwiftUI

- Led programmer for the frontend, backend, and style of the application, with assistance from one peer developer, all changes and collaborations were uploaded through GitHub.
- Developed using a FireBase backend, and built the front end and styling in XCode using SwiftUI.
- Refined and tuned app to meet Apple's strict App Store regulations.

Personal Website - HTML, CSS, GitHub

- Published a portfolio website on GitHub, integrating multimedia elements like embedding YouTube videos.
- Featured key projects and achievements through a visually appealing layout using HTML and CSS.
- Organized content, including personal projects and my resume, to create an engaging and informative site.

Skills and Interests

Skills: Advanced Python, Java | Intermediate: C++, Swift/SwiftUI, XCode | Intro: Java Script, HTML/CSS, GitHub | Project Management.

Interests: Graphic Design, Content Creation, Biomedical Studies, Lacrosse, Charlotte Sports, Concerts, Vinyl Collection.