Joseph Casino

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An organized and adaptable leader with an interest in computer hardware and STEM, looking to learn new skills and grow as a person through challenging experiences and unique internships in hopes of being at the forefront of the technology industry

EDUCATION:

University of Illinois at Urbana-Champaign   **Aug. 2022 – May 2026**
- Bachelor of Science in Computer Engineering
- Minor in Business

TECHNICAL EXPERIENCE:

Coursework   **Aug. 2022 – Present**
Various Electrical and Computer Engineering Projects for University Coursework
- Digital Systems Laboratory: programmed a fully custom videogame in SystemVerilog, run on an AMD FPGA, including HDMI output, keyboard input, and custom sprites on the Microblaze framework
- Data Structures: coded several machine projects focused on different C++ data structures, such as a '15 puzzle' solver using BFS, and an image mosaic maker using K-d trees
- Analog Signal Processing: analyzed, designed, and built an AM radio receiver capable of filtering and outputting a signal
- Electronic Circuits: designed an RC car with acceleration and braking based on a photoelectric diode and microphone
- Computer Systems and Programming: implemented a Sudoku and Maze solver as well as the game '2048' in C

Python Pokedex   **Dec. 2023 – Present**
Personal Software Project
- Programmed a tkinter-based python application using a Pokemon API where the user can search and display over 1000 different Pokemon character's information

WORK EXPERIENCE:

Indian Hill Club, Winnetka, Illinois   **May 2023 – Sept. 2023**
Website Maintenance, Membership Coordinator, Graphic Designer
- Regularly updated website using the NorthStar Club Management Software
- Created graphics for upcoming events and distributed finished products periodically to over 1,000 active members
- Worked on the "Facilities Planning Project" - a large-scale plan to renovate the Clubhouse and golf course - designed graphics, and webpages, and communicated regularly with Club Administration to adhere to administrative guidelines
- Designed and released a seasonal newsletter featuring messages from the Club Administration and Board

ORGANIZATIONS AND LEADERSHIP EXPERIENCE:

Engineering Council UIUC (EC)   **Aug. 2023 – Present**
Publicity Committee Member
- Created and produced the EC Talk Show, recurring podcast clips featuring engineering students discussing life at UIUC
- Managed the EC Instagram account, created graphics and social media posts advertising various engineering events
- Worked on a selected team of committee members, strengthening communication and interpersonal skills

Philippines Student Association UIUC   **Aug. 2022 – Present**
- Educated and promoted the Filipino culture and community through events such as Barkada dancing, food socials, fundraisers, and sports activities

SKILLS:

Technology:
- **Software:** Python, C, C++, Assembly (LC-3)
- **Hardware:** SystemVerilog, AMD FPGAs, Vivado, Quartus
- **Administrative:** Microsoft Office Suites, Slack, NorthStar Club Management
- **Social Media Management:** YouTube, TikTok, Instagram, X (Twitter) - knowledgeable in social media algorithms and optimization
- **Graphic Design:** Canva, Adobe Illustrator
- **Film and Video Editing**: Wondershare Filmora, owns a personal Youtube Channel

Languages:
- Fluent in English, basic comprehension of Spanish

Other Interests: Basketball, Dodgeball, Guitar, Ice Skating, Legos, Singing, Theatre, Trading Card Collecting