Josh Brice

+1 612-865-1181 ○ joshbrice2025@u.northwestern.edu ○ linkedin.com/in/josh-brice

Analytical and solution-focused student seeking an entry-level position designing and delivering software solutions. Critical thinker desiring to learn and exceed performance standards. Hands-on experience leading teams and collaborating with others.

EDUCATION

Northwestern University, *Evanston, IL*
Bachelor of Science, Computer Science, Expected June 2025, Major GPA: 3.75
Relevant Coursework: Data Structures & Algorithms, Artificial Intelligence, Multivariable Calculus, Machine Learning, Design, Thinking and Communication, Object-Oriented Programming, Discrete Mathematics, Statistics

TECHNICAL SKILLS

Languages: Python (Preferred), C, C++, MATLAB, HTML5, CSS3, JavaScript
Software: VSCode, Sublime Text 2, Adobe Photoshop, Adobe Premiere Pro

PROJECTS

Konane (Python)
- Designed the game "Konane" in Python, and created intelligent agents within the game
- Architected Minimax and Alpha-Beta Pruning algorithms, adding CPU AI to play against

Trip Planner (DSSL2)
- Created a functioning Trip Planner using DSSL2
- Combined a variety of ADTs and algorithms to create a functional API

2048 (C++)
- Designed the game "2048" in C++
- Developed extensive test cases to catch border errors in the game alongside a functional UI
- Implemented object-oriented programming and inheritance to model various game objects

Python for Everybody (PY4E)
- Completed five certificates through the University of Michigan on mastering the Python language
- Deciphered 30+ coding assignments requiring extensive knowledge of HTML, XML, SQL and JSON

EXPERIENCE

11/2022 – Present   Incoming Winter/Spring IT Support Intern, CMPSE, *Evanston, IL*

03/2022 – 10/2022   Business Development Intern/ Software Development Shadow, Moongate, *Evanston, IL*
- Collaborated with a team of 12 to design and launch the Moonpass, a physical gateway between NFTs and the world
- Implemented and created the 'Campus Ambassador Program', allowing the Moonpass to be sold at a discount to blockchain clubs across universities globally, revolutionizing how young people interact with their NFTs
- Shadowed software developers observing the development of smart contracts and web development in React, Python, and Solidity

09/2021 – 04/2022   Front-End Web Developer, Institute of Electronics & Electrical Engineers (IEEE), *Evanston, IL*
- Lead the front-end web development team to engineer the web app "FixPix"
- Combined the use of HTML5, CSS3, JavaScript and React to create a visually appealing UI that clients use to restore images to higher resolutions

OTHER ACTIVITIES

08/2022 - Present   VP of Recruitment, Kappa Theta Pi, *Evanston, IL*
- Co-founded Northwestern's first technological fraternity, and recruited 50 new members within the first four weeks of launch
- Established a network of some of the world's brightest tech youths, including interns at Amazon, Netflix, Meta, Microsoft, Boeing, Bloomberg, and Tesla

04/2022 – Present   Capstone Project Leader, Kappa Theta Pi, *Evanston, IL*
- Spearheaded two "Capstone Projects", teaching pledges Front-End Web Development and developing their own personal websites
- Coordinated technical workshops around Data Structures and algorithms, such as stacks, queues, dynamic programming, search & sorting algorithms, linked lists, heaps and strings

INTERESTS

Tennis, Mixed Martial Arts, Boxing, Dreamtime Culture, Spearfishing, Surfing