

TYLER CUSHING

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OBJECTIVE

Combine my passion for computer science, math and interpersonal skills to acquire an internship with a world-class organization where I can add value and continue to hone my skills.

EDUCATION

Computer Science and Mathematics May 2025

University of Illinois at Urbana-Champaign

- Progression towards CS+ Math Program
- Relevant Coursework: Introduction to Computer Science I/II, Completion of the Calculus sequence, beginning study of Numerical Analysis
- Dean's List Spring '22

Bloomington High School May 2021

Bloomington, IL

- 5.321/5.0 GPA – Valedictorian
- Relevant Coursework: Intro-level Computer Science, extensive introductions to Math that would be applicable at a higher academic level
- National English Instructor's Award of Excellence, Presidential Award of Academic Excellence, Member of National Honors Society

RELEVANT EXPERIENCE

Computer Science 124/128/173 Course Associate/Assistant

- Hosted Office Hours to assist student learn course material
- Developed system for students to generate weekly grade reports, lesson assembly, creation of review materials and development of test suites

Mathematics Tutoring Services

- Led group and provided oversight for their Calculus study group while assisting individuals as needed to demystify concepts

STEM Clubs

- Assoc. of Computing Machinery – game development, Linux and math focused groups
- Illinois Space Society – development of simulation systems to accelerate data collection methods.

Projects & Endeavors

- Perlin Noise Experimentation – gaming terrain generation and algorithm refinement
- Flask Framework Experimentation – python web development, login systems & multi-device access mgt.
- Pygame Development – learned wave-collapse functions, physics and complex calculations for personal development
- React Application – gathered user requirements for student organization search needs and leveraged JavaScript, React and CSS to assist with development of a solution

TECHNICAL ACUMEN / ADDITIONAL SKILLS

- Fluent in Java, Kotlin, C++, Python, and Visual Basic
- Learning database languages, HTML, CSS, and C#.
- Interest in game development, machine learning and neural networks

JOB EXPERIENCE

Server Aug 2020 – Present

Cracker Barrel – Urbana & Bloomington Locations