# Krutin (Klay) Shukla

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## EDUCATION:

**The Ohio State University, Columbus OH**                                    Grad: *May 2025*
*Bachelors In Computer Science specializing in software development*

## SKILLS:

- *Programming Languages:* Java, Python, Kotlin, Swift, Lua, C, x86-64, SQL
- *Frameworks and Libraries:* React, Typescript, Sass
- *Tools and Technologies*: Git, Docker, REST APIs, Figma, Android Studio, XCode
- *Certifications:* AWS Cloud Practitioner

## WORK EXPERIENCE:

**Nationwide Children's Hospital | Institute for Genomic Medicine**       *March 2024 - Present*
*Key role in a company-wide web development project, optimizing*           Software Dev. Intern
*performance and usability*

- Developed a product that optimized research and clinical team budgets by eliminating the need for external software, enhancing performance and usability, leading to more efficient and accurate genomic analysis.
- Utilized React, JSX, and SCSS to enhance the user interface, prioritizing speed and accuracy.
- Demonstrated proficiency in Python and AWS for backend tasks, ensuring seamless integration and scalability.

**JP Morgan & Chase Co. | Consumer and Community Banking**           *June 2024 - August 2024*
*Developed an internal tool for developers to view all available content*   Software Dev. Intern
*prioritizing speed and efficiency.*

- Created a site that aggregates and organizes data from different account components, improving user satisfaction and engagement for 80 million online banking customers.
- Utilized TypeScript, React, and lightweight libraries to develop an intuitive frontend.
- Implemented dynamic content searching using multiple states and conditionals for 135 components.

**Robot Academy LLC, Upper Arlington OH**                             *May 2022 - February 2024*
*Promoting STEM education in young minds using Legos and*                Robot Genius
*elementary robots*

- Promoted STEM education using robots, increased program enrollment and engagement by two times and resources and codebase shared with 3 companies in China and India.
- Developed curriculums in Python, Arduino, and Scratch for STEM programs.

**The Coder School, Westerville OH**                                   *August 2021 - May 2024*
*Classroom where small teaching ratio and personalized curriculum*        Code Coach
*are focused to edify young minds in the field of programming*

- Boosted student proficiency in programming, resulting in higher course completion rates and positive feedback from parents.
- Mentored students in coding languages and programming principles.
- Created modules, libraries, and projects for students to learn from.

## PROJECTS:

**Bridge2AI | Python, Java, JS, SQL**

- Contribute to B2AI standards registry and use case catalog, a repository of biomedical AI standards.
- Developed and maintained machine-readable metadata schemas in the standards-schema-all repository.

**AI Battleship Game | Matlab, Python**

- Created an AI algorithm that uses Naïve Bayes classification to predict likely ship placements based on game history.
- Utilized heuristic search algorithms (e.g., A and Minimax*) to optimize attack strategies.
- Allow players to play in 'test mode' that utilized Q-learning for self improvement in AI.