

Matéi Cloteaux

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Education

Indiana University, Bloomington, IN

May 2026

Master of Science in Computer Science

GPA: 4.0/4.0

Courses: Compilers, Intro to Verification

Indiana University, Bloomington, IN

May 2025

Bachelor of Science in Computer Science

GPA: 4.0/4.0

Minors: Mathematics, Informatics

Courses: Data Structures & Algorithms, Intro to Algorithm Design & Analysis, Intro to Operating Systems

Experience

TechStart Intern

May 2025 – Present

Liberty Mutual

Indianapolis, IN

- Lead efforts to modernize CI/CD infrastructure by migrating deployment pipelines from Bamboo to GitHub Actions in order to create a unified, efficient, and secure software delivery process across the organization.
- Develop and test automated workflows, enhancing build and deployment speed for internal applications.

Managing Editor of Digital

December 2023 – Present

Indiana Daily Student

Bloomington, IN

- Collaborate with a dynamic team of over 50 staffers and lead a dedicated team of front-end web developers at the IDS to publish digital storytelling initiatives.
- Spearhead multimedia projects, graphics coordination, and data-strategies to ensure impactful narratives.
- Engage with the development team to foster innovation and elevate the IDS digital presence.

TechStart Intern

May 2024 – August 2024

Liberty Mutual

Portsmouth, NH

- Researched and compared capabilities of Snowflake Native Apps against customer-defined requirements, presented findings to the team and integrated team feedback into the development process.
- Leveraged Snowflake Native Apps and Streamlit to develop a fully functional proof-of-concept full-stack application enabling users to easily interact with data within Snowflake via a user-friendly and accessible UI.
- Partnered with cross-functional teams to deploy the proof-of-concept application to CloudForge utilizing Bamboo, enhancing application accessibility for all employees within Liberty Mutual.
- Operated effectively within an Agile framework, contributing to biweekly sprints and participating in Scrum ceremonies to ensure continuous team alignment and efficient project delivery.

Projects

Deduce | *Python, JavaScript, HTML, CSS*

September 2024 – Present

- Develop and maintain the Deduce website, automating content generation to reduce manual effort by 60% and increase user engagement through interactive tutorials and live coding features. Integrate Deduce with VS Code and Emacs, improving the developer experience for users with enhanced editor support.
- Collaborate with a team of 4 developers to implement new functionality to expanded Deduce's use in educational settings, benefiting 100+ students.

Mega Puzzle | *HTML, CSS, JavaScript, Bootstrap, Cloudflare*

August 2023 – April 2024

- Partnered with a team of 6 developers to design and create an engaging web-based puzzle competition platform offering a diverse array of puzzles, including crosswords, Sudoku, and unique challenges like deciphering unknown languages and uncovering hidden messages in music.
- Integrated back-end functionalities powered by cloudflare to allow users to submit answers and track user progress.
- Achieved a user base of 50 active participants through strategic updates and community engagement.

Technical Skills

Languages: Python, Racket, C, C++, Java, Haskell, JavaScript, TypeScript, PHP

Web Design: HTML, CSS, Bootstrap, Node.js, React, WordPress, Angular

Databases: Snowflake, SQL, PostgreSQL, MongoDB

Operating Systems: Microsoft Windows, Linux, Unix, MacOS

Proof Assistants: Coq, Agda, Deduce