

Aidan McCormick-Buczko

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Education

Indiana University, Bloomington, IN

Luddy School of Informatics, Computing, and Engineering

May 2025

Bachelor of Science in Informatics

Cognate: Web Design and Development

Relevant Coursework: Information Infrastructure I & II, Web Design, JavaScript, Application Development (Java), Cloud Computing

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript, TypeScript

Frameworks: Flask, Bootstrap, React.js, Next.js, TailwindCSS, MUI

Platforms/Tools: AWS (EC2, S3, IAM, CloudFront, Lambda, CloudFormation), Git

Experience

Sciquel (Remote)

June 2024 – Present

Web Developer Intern

- Develop TypeScript-based React components with strict typing for cleaner code and reduced runtime errors
- Build dynamic, server-rendered pages using Next.js with API and database integration to optimize speed and SEO
- Collaborate directly with the supervisor to implement iterative UI improvements based on design feedback

Projects

Full Stack Recipe App

Jan 2025 – June 2025

React.js, MUI, Express.js, Node.js, PostgreSQL

- Built a full-stack recipe platform allowing users to search, save, and organize recipes into collections
- Integrated Spoonacular API to deliver nutritional information, images, and step-by-step instructions
- Designed a responsive, accessible UI using MUI components for a polished user experience across devices
- Implemented secure user authentication and route protection using JWT tokens, enabling stateless authentication and persistent user state

Capstone Project: Club Finder Application

Aug 2024 – May 2025

PHP, MySQL, JavaScript, Bootstrap

- Designed and developed a web platform for users to create, join, and manage clubs, including features for personalized recommendations, scheduling, and email notifications
- Collaborated with a team of 4 to gather requirements and normalize a MySQL database to support efficient querying and relationships between users and clubs
- Implemented secure login and session management using Indiana University's SSO (CAS), ensuring safe and authenticated access for all users

Event Management System

Oct 2023 – Dec 2023

Python, Flask, Bootstrap, SQL

- Developed a full-stack event management site using Flask, SQL, and Bootstrap, supporting full CRUD functionality
- Wrote PyMySQL queries for dynamic interaction with event records stored in a relational database
- Deployed the application to AWS (EC2, RDS), transitioning from a university server to a cloud environment
- Used Bootstrap for responsive styling and clean mobile-friendly layout