# Kylie Kennedy

Versatile tech enthusiast with a background in full-stack development, data analysis, and teaching, passionate about building user-focused applications and scalable systems.

## CONTACT

Madison, WI
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Portfolio | LinkedIn | Website

## EXPERIENCE

**UW Madison DoIT Programming Instructor**,  Madison, WI — *Instructor*

SEPT 2024 - SEPTEMBER 2025

- Taught Python, **HTML, CSS, SQL, PHP**, CS fundamentals to high school students across multiple schools.
- Designed labs, managed Canvas LMS, and introduced algorithmic problem-solving.

**University of Wisconsin - CS Department**,  Madison, WI — *Teaching Assistant*

AUG 2024 - DEC 2024

- Mentored students in advanced **Java**, algorithms, and debugging.
- Led office hours, tutoring, and course material improvements.

**JBX Strategies**,  Minneapolis, MN — *Website Developer*

SEPT 2024 - FEB 2025

- Built responsive client websites with **HTML, CSS, JavaScript, PHP.**
- Delivered design focused websites with a modern UI/UX for clients.

**UW Madison Dairyland Initiative**,  Madison, WI — *Website Developer*

SEPT 2024 - PRESENT

- Developed and maintained **SQL**-backed, database-driven web applications.
- Implemented interactive features and collaborated with researchers on solutions.

**SpidersByte LLC**,  Madison, WI — *Founder & Full-Stack Developer*

SEPT 2023 - SEPT 2024

- Designed and deployed full-stack web applications with **React, Node.js, SQL, AWS**; managed product cycles in Agile.

**Wisconsin Institute of Medical Research**,  Madison, WI — *Undergraduate Research Assistant*

OCT 2022 - MAY 2023

- Automated PET tracer analysis using **MATLAB**, **FreeSurfer**, **FSL**, **SPM**.
- Built tools in **C++, Python**, **CLI** for MRI/PET tracer analysis.

## EDUCATION

University of Wisconsin- Madison, Madison, WI — *Computer Sciences B.S.*

SEPT 2022 - AUG 2025

- Relevant Coursework: Software Engineering, Algorithms, Data Structures, Databases, Cloud Computing

## SKILLS

**Programming Languages:** Python, Java, JavaScript/TypeScript, SQL, C++

**Frameworks & Libraries:** React, Node.js, Express.js, NumPy, Pandas, Matplotlib, JUnit, Jest, PyTest

**Developer Tools & Platforms:** Git/GitHub, Docker, AWS, GitHub Actions, Jenkins

**Software Engineering Practices:** Agile/Scrum, CI/CD, Code Reviews, Test-Driven Development (TDD)

**Databases & Systems:** MySQL, PostgreSQL, SQL Server, Data Modeling, RESTful API & GraphQL design, Microservices

## PUBLICATIONS

I have contributed to the following works through radiotracer chemical synthesis and medical imaging programming:

- White Matter Hyperintensity & Cognitive Function in Parkinson's Disease
- [F-18]Florquinitau PET & Cognitive Decline in Alzheimer's Risk Cohorts
- Depression & 11C]PiB-PET Amyloid Burden in Alzheimer's Disease
- [11C]UCB-J PET imaging of synaptic vesicle protein SV2A in cognitive decline
- GIS Stewardship Plan for Monroe County, MI