

John William Lynch | MS in Computer Science

lynchjohn98@gmail.com

(312) 549-0726

www.lynchjohn98.com

PERSONAL SUMMARY:

Computer scientist with diverse work experience, including teaching computer science courses at middle-school, high school, undergraduate and graduate college levels, and creating large-scale software development projects independently and through coursework. Extremely driven to form new methods of teaching and learning Computer Science for diverse types of learners.

SKILLS:

Thorough understanding of Object Oriented Design Patterns, Object Oriented Languages, Algorithm Design & Implementation, and Data Structure Design & Implementations. Excellent interpersonal skills that allow communication of complex computer science topics in a concise and easily understood form.

EDUCATION:

University of Cincinnati : College of Engineering and Computing Education

PhD Candidate in Engineering Education, expected graduation May 2026

DePaul University : College of Computing and Digital Media

Masters in Computer Science with focus on Software Development, June 2020

DePaul University : College of Computing and Digital Media

Bachelors in Computer Science with focus on Software Development, March 2019

TEACHING & WORK EXPERIENCE:

University of Cincinnati : Adjunct Instructor for CS2024C : Data Structures and Algorithms in Python for Non-CS Majors (Spring 2024, Fall 2024)

- Tasked with the development of curriculum, assignments, and distribution of Data Structures in Python specifically designed for non-traditional CS graduate students to earn certifications.

University of Cincinnati : Graduate Teaching Assistance for ENED 1100 & ENED 1120 (August 2022 - current)

- Tasked with overseeing two or more sections of the first-year engineering course ENED 1100/1120 which introduced Python, MatLab, and LabView topics to undergraduates

DePaul University : Adjunct Instructor (September 2021 - March 2022)

- Instructor for CSC300, a Java-based course where students are introduced to fundamental data-structures in Computer Science.
- Instructor for CSC242, an intermediate course in problem solving, algorithms and programming using Python.

Northwestern University : CECSE : Creator of Introduction to App Development in Swift w/ iPads (September 2021 - December 2021)

- Created a course that used Playgrounds on iPads that introduced adult-learners from various backgrounds to the Swift programming language. Topics covered included algorithms, logic flow, coding paradigms, problem-solving using computer science, competitive analysis, UX design.

Northwestern University : Center for Excellence in Computer Science CS Learning & Development Specialist (July 2021 - March 2022)

- Tasked with providing support for Chicagoland educators teaching the fundamentals of Computer Science through the Swift programming language.

Illinois Institute of Technology : Adjunct Instructor (May 2021 - August 2021)

- Instructor for Application Development Methodologies (ITMD511) asynchronously to Beacon Education in China through IIT. Developed syllabus and assignments for students to learn the analysis, design, implementation, and maintenance of software in C/Java.