Cole Tyler Nelson

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@ctnelson1997   @ctnelson1997

Education

University of Wisconsin-Platteville	B.S. Software Engineering	May 2020
	Emph. Engineering Management **Mn.** Mathematics	3.96 GPA
University of Wisconsin-Madison	M.S. Computer Science	May 2023

Work Experience

Lecturer (CS220 & CS571)   University of Wisconsin-Madison   2021-Present

Instruct for courses on data programming and UI development through the development, delivery, organization, and collection of course content such as lectures, course webpages, web servers, assignments, quizzes, and exams.

Application Security Intern   Nelnet Diversified Services   2020-Present

Participate in, develop for, and promote the use of practices of the secure software development lifecycle.

Teaching Assistant (CS570 and CS571)   University of Wisconsin-Madison   2020-2021

Assisted student learning in UI/UX through the creation, moderation, distribution, and grading of course materials.

Software Developer Intern   Kohl's Innovation Center   2019

Assisted in the migration, implementation, and testing of the transition for a credit processing system to the cloud.

Software Developer Intern   Nelnet Diversified Services   2018

Developed and maintained web apps using Java & Spring, TypeScript & Angular, following REST specifications.

Undergraduate Researcher   University of Wisconsin-Platteville   2017

Developed and presented a programming language for performing source-to-source transformations of C and C++ code at PCARD, the UW-System Symposium, and Research in the Rotunda.

Computer Science Academic Assistant   University of Wisconsin-Platteville   2017-2020

Assisted computer science students in individual, group, and lab settings using Python, Java, and C++.

Programming Expertise

Languages	TypeScript, JavaScript, Java, C++, C#, Python, Julia, R, HTML, CSS, Ruby, SQL, Antlr, Shell
Technologies	Angular, NodeJS, Express, React, Spring, Pandas, Docker, Jenkins, Atlassian Software, Git

Organizations

Graduate Christian Fellowship	Leadership Team	2022-Present
Association for Computing Machinery	President	2017-2019
Circle K International	District Governor, Vice President, Chair	2017-2020

Honors and Awards

Outstanding Teaching Assistant	CS @ UW-Madison	**Academic Excellence Award**	Phi Kappa Phi
Chancellor's Medallion	UW-Platteville	**Distinguished District Governor**	Circle K International
Excellence in Leadership	UW-Platteville	**M. J. Pierski Golden Gavel**	Circle K International