

Christian Wendlandt

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🌐 <https://christianplusplus.github.io>

Education

University of Wisconsin Oshkosh	Oshkosh, WI
Bachelor of Science, Summa Cum Laude	Nov 2015 - May 2019
<i>Major:</i> Computer Science (Computer Science)	GPA: 3.9/4.0
<i>Major:</i> Mathematics (Liberal Arts)	ABET Accredited

Technical Skills

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- Proficient in Java, JavaScript, HTML, CSS, SQL, WebGL, LaTeX, Microsoft Office
 - Familiar with Python, PHP, C, MIPS, HDL, node, sablecc
 - Math literacy in Calculus, Linear Algebra, Proofs, Prob & Stats, Graph Theory

Projects

3D aTAM Simulator	View At 🌐	WebGL, JavaScript, HTML, CSS
<ul style="list-style-type: none">• Designed real-time simulator using the abstract Tile Assembly Model• Optimised for performance with pre-render back-face culling and constant-time lookup• Prioritized platform independence, usability, compatibility with legacy software		
Database Query GUI		Java, SQL
<ul style="list-style-type: none">• Developed database GUI with login authentication and multi-level account access• Engineered for ease of use and SQL-illiterate users• Secured with password salting and hashing		
Wiki Website		SQL, PHP, JavaScript, HTML, CSS
<ul style="list-style-type: none">• Managed student developer team project and authored roughly 30% of code• Demonstrated requirements gathering, design documentation, code review, unit testing• Collaborated on database, search features, login authentication, tiered access		

Technology Work Experience

Target Corporation	<i>Tech Consultant</i>	Nov 2019 - Present
<ul style="list-style-type: none">• Investigated tech trends to help guests find technology solutions and accessories• Leveraged store tools to prioritize guest engagement while balancing tasks		
UW - Oshkosh, CS Dept.	<i>Computer Science Tutor</i>	Sep 2018 - Dec 2018
<ul style="list-style-type: none">• Identified cognitive roadblocks and taught coding best practices for new students• Guided students to documentation and resources to encourage independent learning		
UW - Oshkosh, CS Dept.	<i>Research Assistant</i>	Feb 2018 - Aug 2018
<ul style="list-style-type: none">• Explored research topic with supporting papers and senior collaborators• Authored publisher-worthy thesis and supporting algorithm		

Publications

Furcy D., Summers S.M., Wendlandt C. (2019) New Bounds on the Tile Complexity of Thin Rectangles at Temperature-1. In: Thachuk C., Liu Y. (eds) DNA Computing and Molecular Programming. DNA 2019. Lecture Notes in Computer Science, vol 11648. Springer, Cham