

Christian Wendlandt

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

Education

University of Wisconsin Oshkosh

Oshkosh, WI

Bachelor of Science

Summa Cum Laude

Major: Computer Science (Computer Science)

GPA: 3.9/4.0

Major: Mathematics (Liberal Arts)

ABET Accredited

Technical Skills

- 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

- Designed real-time simulation 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

- 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

PHP, JavaScript, HTML, CSS

- 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

Tech Consultant

Nov 2019 - Present

- 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.

Computer Science Tutor

Sep 2018 - Dec 2018

- 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.

Research Assistant

Feb 2018 - Aug 2018

- 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