

Kyle Denlinger

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Education

MA	University of Missouri , Information Science & Learning Technologies	2012
BS	University of Cincinnati , Secondary Education, English Language Arts	2008

Experience

Wake Forest University , Digital Pedagogy & Open Education Librarian <ul style="list-style-type: none"> Reduced time to render user buddy lists by 75% by implementing a prediction algorithm Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database Redesigned chat file format and implemented backward compatibility for search 	Winston-Salem, NC Jan 2020 to present 4 years 12 months
Wake Forest University , eLearning Librarian <ul style="list-style-type: none"> Designed a UI for the VS open file switcher (Ctrl-Tab) and extended it to tool windows Created a service to provide gradient across VS and VS add-ins, optimizing its performance via caching Built an app to compute the similarity of all methods in a codebase, reducing the time from $\mathcal{O}(n^2)$ to $\mathcal{O}(n \log n)$ Created a test case generation tool that creates random XML docs from XML Schema Automated the extraction and processing of large datasets from legacy systems using SQL and Perl scripts 	Winston-Salem, NC Jul 2012 to Dec 2019 7 years 5 months

Publications

3D Finite Element Analysis of No-Insulation Coils Frodo Baggins, John Doe , Samwise Gamgee 10.1109/TASC.2023.3340648	Jan 2004
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Projects

Multi-User Drawing Tool <ul style="list-style-type: none"> Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized Tools Used: C++, MFC 	github.com/name/repo
Synchronized Desktop Calendar <ul style="list-style-type: none"> Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users Tools Used: C#, .NET, SQL, XML 	github.com/name/repo

Custom Operating System

2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

Technologies

Languages: C++, C, Java, Objective-C, C#, SQL, JavaScript

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder