

Lien Zhu

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EDUCATION

Washington University in St. Louis, McKelvey School of Engineering <i>Master's in Computer Science and Engineering, 4.0, BS/MS Program</i>	St. Louis, MO January 2022 – May 2023/2024
Washington University in St. Louis <i>Bachelor's of the Arts in Biology, 3.96</i>	St. Louis, MO Aug. 2018 – May 2022

PROJECTS

Message in a Flask <i>Python, Flask, Jinja, PostgreSQL</i>	August 2022
<ul style="list-style-type: none">Designed and developed full-stack web app that implements message in a bottle conceptUsers can write messages and are presented with a random message from other registered users one at a timeUsers can archive messages they come across, removing the message from the pool of available messagesImplemented with Flask using PostgreSQL following MVC architecture patternLeveraged environment variables to deploy production quality appVisit messageinaflask.com	
Calendar <i>Linux, Apache, MySQL, PHP, JavaScript, AJAX</i>	July 2022
<ul style="list-style-type: none">Designed and developed full-stack web app that allows registered users to add events, edit events, tag events under categories, share events, and share calendars with other registered usersFull security considerations: session management, hashed passwords, CSRF tokens, etcLeveraged environment variables to deploy production quality appCheck out my Calendar App	
Personal Website <i>HTML/CSS, JavaScript</i>	
<ul style="list-style-type: none">See more at https://lien-zhu.dev	

EXPERIENCE

Teaching Assistant, CSE 247 Data Structures and Algorithms <i>Washington University in St. Louis, McKelvey School of Engineering</i>	August 2022 – Present St. Louis, MO
<ul style="list-style-type: none">Responsible for holding office hours 3+ hours per week with 20+ students per sessionFacilitate small group weekend problem solving sessionsDevelop analogies and visual aids to make challenging concepts easier to understand	
Teaching Assistant, CSE 332S Object Oriented Software Dev. Lab <i>Washington University in St. Louis, McKelvey School of Engineering</i>	August 2022 – Present St. Louis, MO
<ul style="list-style-type: none">Oversee student learning through class time studio assistance and small group problem solvingAssist students in learning C++ language features: memory management, etcResponsible for holding office hours 6+ hours per week with 20+ students per session	

TECHNICAL SKILLS

Languages: PHP, C++, C, Python, SQL, JavaScript, HTML/CSS, Java
Frameworks: React, Node.JS, Flask, Django
Developer Tools: AWS, Linux, Git, Apache, Nginx, Heroku, VS Code, Visual Studio
Stacks: LAMP

RESEARCH

Machine Learning, Natural Language Processing <i>Washington University in St. Louis, McKelvey School of Engineering</i>	September 2022 – Present St. Louis, MO
<ul style="list-style-type: none">Master's student research assistantAdvised by Professor Chenguang Wang	
Research Site <i>ReactJS</i>	
<ul style="list-style-type: none">See more of my research at https://lienlearns.tech	