

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> <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	August 2022
Calendar <i>Linux, Apache, MySQL, PHP, JavaScript, AJAX</i> <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	July 2022
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> <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	August 2022 – Present St. Louis, MO
Teaching Assistant, CSE 332S Object Oriented Software Dev. Lab <i>Washington University in St. Louis, McKelvey School of Engineering</i> <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, environment set up, compilation, etcResponsible for holding office hours 6+ hours per week with 20+ students per session	August 2022 – Present St. Louis, MO

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> <ul style="list-style-type: none">Master's student research assistantAdvised by Professor Chenguang Wang	September 2022 – Present St. Louis, MO
Research Site <i>ReactJS</i> <ul style="list-style-type: none">See more of my research at https://lienlearns.tech	