

# Lien Zhu

[lienzhucs@gmail.com](mailto:lienzhucs@gmail.com) | [linkedin.com/in/lien-zhu](https://www.linkedin.com/in/lien-zhu) | [github.com/lien-zhu](https://github.com/lien-zhu) | U.S.A. Citizen | <https://lien-zhu.dev>

## EDUCATION

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

## PROJECTS

<b>Message in a Flask</b>   <i>Python, Flask, Jinja, PostgreSQL</i> <ul style="list-style-type: none"><li>Designed and developed full-stack web app that implements message in a bottle concept</li><li>Users can write messages and are presented with a random message from other registered users one at a time</li><li>Users can archive messages they come across, removing the message from the pool of available messages</li><li>Implemented with Flask using PostgreSQL following MVC structure</li><li>Leveraged environment variables to deploy production quality app</li><li>Visit <a href="https://messageinaflask.com">messageinaflask.com</a></li></ul>	August 2022
<b>Calendar</b>   <i>Linux, Apache, MySQL, PHP, JavaScript, AJAX</i> <ul style="list-style-type: none"><li>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 users</li><li>Full security considerations: session management, hashed passwords, CSRF tokens, etc</li><li>Leveraged environment variables to deploy production quality app</li><li>Check out my <a href="#">Calendar App</a></li></ul>	July 2022
<b>Personal Website</b>   <i>HTML/CSS, JavaScript</i> <ul style="list-style-type: none"><li>See more at <a href="https://lien-zhu.dev">https://lien-zhu.dev</a></li></ul>	

## EXPERIENCE

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

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