

Lien Zhu

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EDUCATION

Washington University in St. Louis, McKelvey School of Engineering St. Louis, MO
Master of Engineering in Computer Science and Engineering, 3.9 August 2022 – May 2023

Washington University in St. Louis St. Louis, MO
Bachelor of the Arts in Biology, 3.96 Aug. 2018 – May 2022

EXPERIENCE

Full Stack Web Developer, Sudvarg Digital Solutions September 2022 – November 2022
Contract Developer St. Louis, MO

- Created documentation and communication workflow for company wide efficiency
- Facilitate client meetings to ensure product exceeds client expectations

Graduate Teaching Assistant, WUSTL McKelvey Engineering August 2022 – December 2022
Data Structures and Algorithms CSE247, Object Oriented Dev. Lab. CSE332 St. Louis, MO

- Teaching Assistant for 2 fundamental courses in CSE Department
- Responsible for holding office hours 4+ hours per week with 20+ students per session
- Develop analogies and visual aids to make data structures, algorithms concepts more clear for students
- Enhance lecture and studio learning by facilitating small group problem solving 3+ hours per week

PROJECTS

Secure and General Hardware Performance Counting September 2022 - May 2023

- Master's Project
- Loadable Kernel Module development
- Kernel Source modification
- User space program development and Python, Bash scripting

Personal Website | <https://lien Zhu.dev>

TECHNICAL SKILLS

Languages: C, Python, Bash, ARM Assembly, x86 Assembly
Developer Tools: Vim, Git, Make
Hardware: Raspberry Pi Cortex-A53, Micro:Bit Cortex-M0, STM32F3 Cortex-M4F
IOT Tools: HTML/CSS/JS, Flask/Django, React.js, SQL, ORM Techniques

RESEARCH

Systems Security October 2022 – Present
Washington University in St. Louis, McKelvey School of Engineering St. Louis, MO

- Master's project in collaboration with WUSTL CSPL led by Professor Ning Zhang
- Linux Kernel Programming, Python, Bash
- Top Conference Paper Writing and Editing

Personal Research Site | <https://lienlearns.tech>
React.js