HELEN MCKAY
Web Developer—Houston, Texas

Email: hello@helenmckay.dev Portfolio: helenmckay.dev
LinkedIn: linkedin.com/in/helenmckaydev GitHub: github.com/helen-mckay

EDUCATION

University of Houston—Houston, Texas   August 2021–May 2025
Bachelor of Science in Computer Science, Math Minor

University of Texas at Dallas—Richardson, Texas   August 2017–December 2019
Completed credits toward Bachelor of Science in Software Engineering, Visual Arts Minor

RELEVANT COURSEWORK

- Computer Science I & II
- Software Engineering
- Data Structures & Algorithms
- Database Systems

EXPERIENCE

Front-end Developer

Blue Voter Guide   August 2024–November 2024

Front-end developer for Blue Voter Guide, a 100% volunteer-run grassroots organization that has assisted over 3,000,000 visitors in planning their ballots for elections at every level, using a custom-built PHP web application.

- Redesigned and implemented new Candidate and Endorser Organization pages—critical landing pages that account for over 50% of organic search traffic. Optimized the page design to immediately convert visitors into users building their own ballot guides
- Designed and implemented a new Frequently Asked Questions page to serve users, candidates, endorser organizations, and volunteers—using PHP, MySQL, HTML, CSS, and JavaScript
- Assisted in preparing site hosting and database for increase in traffic for November 2024 election
- Assisted in strengthening the security of the Blue Voter Guide website in face of cyberattacks

Undergraduate Research Assistant

University of Houston—ReDAS Lab   January 2023–August 2023

- Awarded Summer Undergraduate Research Fellowship to design a survey assessing university students' existing familiarity with cybersecurity best practices

Peer Mentor

University of Texas at Dallas—Computer Science Mentor Center   January 2019–May 2019

- Tutored upward of 10 students at a time in Computer Science courses (Java, C/C++ projects)

IT & Marketing Intern

Amigos de las Americas (AMIGOS)—Houston, Texas   May 2017–August 2017

- Performed routine IT support for the AMIGOS International Office, including setting up and maintaining workstations for the 24/7 on-call support staff who support AMIGOS' volunteers and staff operating in various countries in Central and South America
- Assisted in designing, building, testing 2018 AMIGOS Summer Programs Application (WordPress, FormStack, Salesforce), used by hundreds of staff and volunteers to join volunteer and cultural exchange programs

SKILLS

- Web Development—PHP, HTML, CSS, JavaScript (Vanilla, React, JAMstack)
- Computer Programming—C/C++/C#, Java, Python
- Web and Graphic Design—Wireframing (Figma, Adobe Creative Cloud (XD, Photoshop))

ACTIVITIES

- CougarCS—Web Development Committee (Student)