

Helen McKay

Experienced Web Developer · Passionate Community Organizer

Political Engagement · Mutual Aid · Environmental Justice

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TECHNICAL SKILLS

Amazon Web Services (AWS), C, C#, C++, Cloudflare, CSS, Data Science, Git, GitHub, HTML, Java, JavaScript, MATLAB, PHP, Python, React, Research, SQL, TypeScript, Unity

EDUCATION

University of Houston

Bachelor of Science in Computer Science, Minor in Mathematics | *May 2025*

- **Skills:** C, C++, C#, Git, GitHub, Java, MATLAB, Python, SQL, Unity

WORK EXPERIENCE

Air Quality Ambassador, Baytown | Air Alliance Houston | *Feb 2025 – Present*

- Generating quality leads for new air monitor hosts for Community Air Monitoring Program
- Organizing community outreach events in Baytown to increase awareness of air quality impacts

Front-End Developer Intern | Blue Voter Guide, www.bluevoterguide.org | *Aug 2024 – Nov 2024*

- Overhauled the designs for the Candidate and Endorser Organization pages, which account for 50% organic site traffic from search engine results, to quickly communicate crucial information and maximize conversions of visitors into users building their ballot guides.
- Built a fully accessible Frequently Asked Questions page to serve key information to visitors, volunteers, candidates, and endorser organizations, reducing burden on support volunteers.
- Assisted in migrating site to AWS Elastic Beanstalk in preparation for increase in site traffic.
- Assisted in responding to large Distributed Denial of Service (DDoS) botnet attack shortly before election. Assisted in implementing Cloudflare protective measures. Monitored site overnight to ensure it was safe.
- **Skills:** Amazon Web Services (AWS), Cloudflare, CSS, HTML, JavaScript, PHP

Undergraduate Research Assistant | University of Houston, ReDAS Lab | *Jan 2023 – July 2023*

- Awarded Summer Undergraduate Research Fellowship to design and conduct a survey assessing college students' familiarity with cybersecurity best practices.
- **Skills:** Data Science, Research

ADDITIONAL EXPERIENCE

Democratic Precinct Chair, Precinct 13 | Harris County Democratic Party | *Dec 2024 – Present*

- Conducting mail campaigns to connect with voters and inform them of upcoming local elections.
- Participating in phone banking to drive voter turnout for local elections.
- Planning block-walking using Voter Access Network (VAN) Vote Builder tool to target reliable voters and send home addresses to MiniVAN mobile app for block-walkers to use.

Community Organizer, Mutual Aid | Independent | *Nov 2024 – Present*

- Building a lending library of over 200 pieces of LGBT literature that are often targeted by book bans.
- Gathering and delivering secondhand baby supplies to families with newborns.
- Fundraised for, packed, distributed: 100 backpacks with school supplies for elementary students; 200 bags with essential supplies for clients at The Beacon Homeless Services.

Front-End Developer | Cougar CS, Web Development Committee, cougarcs.com | *2022 – 2023*

- Built new admin portal login form in React, used by club officers to manage club memberships.
- **Skills:** CSS, Git, GitHub, HTML, JavaScript, React, TypeScript