

SAMANTHA MURRAY TUESTA

Computer Science Undergraduate and Researcher

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Education

Western Washington University

Bachelor of Science in Computer Science, Internet Resource Creation and Management Minor

Sep. 2019 – June 2023

Bellingham, WA

Relevant Coursework

- Formal Languages and Functional Programming
- Data Structures

- Fundamentals of Web Site Development and Management

Experience

Western Washington University

Research Assistant

July 2020 – Present

Bellingham, WA

- Undergraduate Research Assistant under Dr. Caroline Hardin, developing an interactive narrative broadening the scope in which we teach digital privacy.
- Focus on elementary to undergraduate level education, transforming socially negotiated digital privacy norms. Lesson plan currently in development to educate young minds into becoming digital privacy and technology stewards.

Interns GDL

Volunteer

June 2021 – July 2021

Guadalajara, Jalisco

- Workshop technical interview best practices, provide resume building assistance, and promote global networking
- Lead weekly coding exercises for a comprehensive review of data structures and algorithms

Google

Software Product Sprint Participant

Feb. 2021 – May 2021

Seattle, WA

- Collaborated with a team of peers to design and implement a Chrome Extension using JavaScript, HTML, and CSS over the course of 10 weeks.
- Contributed to open source software, conducted code reviews, participated in distributed development, designed new components and interfaces, and lead them to completion.

Western Washington University

Internet Studies Intern

Jan. 2021 – March 2021

Bellingham, WA

- Led in the original creation of the Internet Dashboard: a digital archive of the world's leading data.
- Extracted real-time analytics and developed PHP queries to pull and visualize data.

Projects

Seminar Extension | JavaScript, Firebase, HTML, CSS

March 2021 – Present

- A Google Chrome note-taking extension allowing for cross-website note creation.
- All notes are stored using firebase authentication services and fetched from the database to be shown on its associated website and URL.

Digital Privacy Detectives | Twine, JavaScript, jQuery, HTML, CSS

July 2020 – Present

- Led in the dynamic design and implementation of 6 HTML pages and the creation of 6 external stylesheets for over 60 commits to GitHub.
- Actively engaging in a group of 4 – 5 participants every week to discuss progress as well as problem-solve any issues that arise.

Internet Dashboard | amCharts, JavaScript, PHP, HTML, CSS

Jan. 2021 – March 2021

- An independent project within Western Washington University's Internship in Internet Studies Program.
- Taking the pulse of the internet and displaying it in what could be considered the "front page of the internet."

Relevant Skills

Programming Languages: Java, Python, HTML, CSS, JavaScript, jQuery, JSON, C, PHP, SQL, MySQL, Databases, LaTeX, Git

Developer Tools: VS Code, Google Cloud Shell, Twine

Languages: English, Spanish