

# Samantha Nguyen (she/her) [contact@samanthanguyen.me](mailto:contact@samanthanguyen.me) | [GitHub](#) | [LinkedIn](#)

## SKILLS

- **Programming languages:** Rust, C#, JavaScript/TypeScript, C, C++, PHP
- **Frameworks, libraries:** Node.js, .NET Framework, Deno, React, MediaWiki, XAMPP
- **Services:** Git, GitHub, GitLab, Gerrit, DigitalOcean, Jenkins, Zuul, Phabricator

## EDUCATION — *The University of Texas at Arlington*

- Bachelor's Computer Science Degree (Bsc) December 2020 - June 2025
- Associate of Fine Arts Degree (Afa) August 2019 - December 2020

## WORK EXPERIENCE

### ShoutWiki — *Software Engineer*

January 2017 - July 2019

- Worked as a full-stack software engineer with 3 other software engineers for a website hosting platform, helping it scale to over **9,000 sites** and over **80,000 users**.
- Helped create automated filters for anti-spam/vandalism, customer support with users, design and implement user interfaces, and develop MediaWiki extensions in PHP to help user's needs.

## LEADERSHIP EXPERIENCE

### UTA Association of Computing Machinery — *Project Director*

September 2022 - Present

- Helping to lead an introductory workshop to the Rust programming language in late Fall.
- Upcoming Spring 2023 Project Director to lead a team of 5 that will present a natural language processing project to the UTA CSE Department. Upcoming Spring 2023 Research Director.

### UTA MOBI — *Executive Officer, Vice President*

June 2022 - Present

Executive Officer for software engineering and computer science student organization, at the University of Texas at Arlington, leading 3 workshops covering HTML/CSS, JavaScript, and contributing to open-source.

### MediaWiki.org — *Site Administrator & Technical Writer*

August 2017 - Present

Contributing to the developer documentation of the core MediaWiki software that runs sites like the English Wikipedia. Given **5,000+** contributions and helped create 800+ articles.

### Wikimedia Foundation — *Software Developer Volunteer*

January 2015 - June 2019

Contributed **950+** commits to 50+ repositories covering extensions, themes, and core software.

### Google Summer of Code — *GSoC Mentor*

March - April 2017

Helped mentor a new developer getting into open-source, become familiar with collaborating with other software engineers, and teach them Wikimedia Foundation's infrastructure including Gerrit, Zuul, Phabricator, and other tools.

## SOFTWARE PROJECTS

### Datageddon - *TypeScript, React, Twilio* ([GitHub Source ↗](#))

October 2022

Worked on a project with 3 other students that helps make open-source, friendly-licensed datasets more discoverable through a dataset search engine. Won **3rd Place at HackUTA 2022**.

### Sustainability — *JavaScript, React, React Native, Twilio, Tensorflow.js* ([GitHub Source ↗](#))

September 2022

Worked on a project with 3 other students that helps encourage communities to be more sustainable by letting users scan products and analyze material composition and annual recycling statistics. **Won 3rd place at HackSMU 2022**.

### cli-help-parser — *TypeScript, Node.js, JSON* ([GitHub Source ↗](#))

April 2022

Created a parser that can generate a machine-readable specification of a CLI's help manual that conforms to Fig's auto-completion JSON schema, improving developer's quality-of-life through the terminal.

### php-mediawiki-docs — *PHP, MediaWiki, XAMPP* ([GitHub Source ↗](#))

January 2021

Created a static analysis tool that auto-generates documentation for **700+** hook event listeners in MediaWiki software with an PHP AST parser and the phpDoc block parser library.

### ChemistryNet — *C#, .NET*

April 2020 - March 2021

Wrote a parser that understands chemical formulas & isotopes and names ionic compounds based on composition.

### StructuredNavigation — *PHP, MediaWiki, JS, JSON* ([GitHub Source ↗](#))

January 2019 - 2020

Created a MediaWiki extension in PHP, which allows separating wikitext content of navigation boxes from HTML structure, styling, and wikitext markup. Gave a live presentation to the MediaWiki Stakeholders Group with software engineers from the Wikimedia Foundation, BlueSpice, and FANDOM/Gamepedia.