

# Claire Fuchs

<http://github.com/cfuchs981> · <http://cfuchs981.github.io> · [www.linkedin.com/in/cfuchs981](http://www.linkedin.com/in/cfuchs981)

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## EDUCATION

Truman State University , Graduating May 2020

Bachelors of Science in Computer Science

President's List 2016-2018

Kirksville, MO

Institutional GPA 4.0/4.0

Relevant Coursework :

Foundations of CS I & II (Ada/Java)    Internet Programming (HTML/CSS, JS, PHP/SQL)    Systems Programming (C/C++)

Data Structures and Algorithms (C++)    Computer Architecture    Object Oriented Program and Design (Java)

Programming Languages: Competent: Java, C++, HTML/CSS, JavaScript, PHP/SQL; Familiar: Python, React JS, Node.js, C, Perl

## WORK EXPERIENCE

Google - Mountain View, CA

May 2018 - August 2018

*Engineering Practicum Intern*

- Created a full stack application and a companion script that autogenerated a web dashboard utilizing the service. These dashboards served as wrappers for Sherlog (a cross-platform log aggregation service) in which users could easily filter and create custom views to enable easier log tracing and debugging.
- Implemented an improved RPC service with 100% test coverage that constructed trees of log traces with settings to prune the tree to create subgraphs, render selected nodes as singletons, and dynamically return specified information about a given node.
- Wrote multiple design docs through the development process and made extendable and simplified versions of existing Sherlog UI components for clients to utilize in their own dashboards.
- Hosted several live demos for teams across Google to recruit them as prospective clients and continue to build the product based on their feature requests.

Truman State University - Special Collections

August 2017 - present

*Digital Collections Assistant*

- Debugged the current database Greenstone (C++/Perl); researched and prototyped several other database options for the department to switch to (Collective Access - PHP/mysql, Internet Archive APIS - Python, Omeka)
- Redesigned webpages for the 150th anniversary of the school, cleaned out unused Microsoft Sharepoint Server, and worked with the tech department to make the university archive web system ADA compliant.

## ACTIVITIES

Women in Computer Science - Webmaster

Fall 2016 - present

- Made websites, organized fundraisers and tutoring, and held computer science workshops at local elementary/middle schools.

Association for Computing Machinery - Member

Fall 2016 - present

- Organized tech presentations on campus and interview/resume workshops; attended hackathons throughout the Midwest.

Pershing Society- Secretary

Fall 2016 - present

- Organization for recipients of the Pershing Scholarship, a highly competitive full ride scholarship given to 12 students per year.

## PERSONAL PROJECTS

- **CSDistress**: A game library built in Java for a computer science study group. Allows each member to play as themselves in professor-themed arcade games. Made for arguably academic purposes.
- **MarkovBot**: A Discord bot written in Node.js that dynamically builds a Markov table of probabilities based on the chat history of a channel, and will give responses generated from a given user's speech patterns.

All projects and source code can be found on <https://github.com/cfuchs981>.