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Ashton Wiersdorf

Computer Scientist, PL Padawan, and Emacs Wizard

Education

Bachelor of Science, Computer Science, *Brigham Young University*, Provo.   **2017–2022**
- Minor: Mathematics
- 3.76 GPA
- Academic scholarship for half tuition
- Sang with the BYU Men's Chorus: the largest collegiate male choir in the US

Skill Set

Languages: Elixir, Racket, Clojure, Perl, Rust, Go, Julia, Swift, Coq, Prolog

Frameworks: Phoenix and Phoenix LiveView (Elixir), Ring (Clojure), Mojolicious (Perl)

Development Tools: Emacs, GNU Make, Git, Docker, Travis CI, Bash, GitHub, GitLab

Work History

Software Engineer, *Spiff*, Sandy, UT.   **May 2021–Present**
- Worked on an interpreter for a custom DSL

Software Engineer, *MeridianLink*, Remote.   **January 2021–April 2021**
- Migrated from Ruby+MySQL to Elixir+Postgres, fixing bugs along the way

Software Engineer Intern, *TazWorks*, Draper, UT.   **January 2020–December 2020**
- Eliminated daily-manifesting bugs in the company's core product
- Ported legacy Ruby code base to Elixir to improve reliability and response times

Intern, *20 Billion Neurons GmbH*, Berlin, Germany.   **September 2019–December 2019**
- Adapted a Golang project to be more robust under unstable network conditions
- Dockerized AI application; built Travis CI script to automatically build and push images

Software Engineer Intern, *TazWorks*, Draper, UT.   **April 2019–August 2019**
- Developed a DSL to replace several microservices with simpler in-line scripts

Programmer, *Student Life Technology at BYU*, Provo, UT.   **December 2016–April 2019**
- Stabilized decades-old legacy systems and introduced automated build strategies
- Introduced version control to office; GitLab now used to manage all projects
- Trained coworkers regularly; topics included Git Flow and the Laravel Web Framework

Personal Projects

- Server and client programs for modeling a genealogy tree (Clojure, Swift)
- Compiler for a small lambda calculus targeting x86 architecture (Racket)
- Math question database with live, server-side LaTeX rendering (Elixir, Phoenix, LiveView)

Leadership and Teaching Experience

Volunteer: Served as a full-time volunteer for the Church of Jesus Christ of Latter-day Saints in Germany
- Learned to speak fluent German and taught myself conversational Chinese
- Trained volunteers weekly to improve volunteer effectiveness and well-being
- Organized service projects and meetings involving volunteers across Germany

Volunteer English Instructor: Devised English lesson plans and instructed grade-school children in China for six weeks

Eagle Scout: Planned and organized a food and clothing drive for the poor