

Ashton Wiersdorf

<https://lambdaland.org/> ♦ mail@wiersdorf.dev
GitHub: ashton314 ♦ LinkedIn: ashton-wiersdorf

EDUCATION

- | | |
|-------------------------------------------------------------------------|-----------------------------------|
| University of Utah
<i>PhD in Computer Science</i> | 2022–2027
Salt Lake City, Utah |
| Brigham Young University
<i>B.S. in Computer Science, Math minor</i> | 2017–2022
Provo, Utah |

EMPLOYMENT

- | | |
|----------------------------------------------------------------|--------------------------------------------|
| University of Utah
<i>Research Assistant</i> | Started Fall 2022
Salt Lake City, Utah |
| Spiff Inc.
<i>Software Engineer</i> | May 2021–August 2022
Sandy, Utah |
| TazWorks (now MeridianLink)
<i>Software Engineer Intern</i> | January 2020–April 2021
Draper, Utah |
| 20 Billion Neurons GmbH
<i>Software Engineer Intern</i> | September–December 2019
Berlin, Germany |
| Student Life Technology at BYU
<i>Programmer</i> | December 2016–April 2019
Provo, Utah |

PROJECTS

See a full list of projects on my homepage and related sites such as Codeberg and GitHub.

- | | |
|------------------------------------------------------------|---------------------------------------|
| Chorex | Project on GitHub ↗ |
| First-ever library for choreographic programming in Elixir | |
| TrackedFloats.jl | Project on GitHub ↗ |
| Automatically track floating-point exceptions in Julia | |
| Ysue | Project on Codeberg ↗ |
| Text editor in Haskell featuring a rope data structure | |
| μKanren | Project on Codeberg ↗ |
| Walkthrough of the μKanren embedded logic language | |

TOOLS AND TECHNOLOGIES

- **Languages (non-exhaustive)** Racket, Elixir, Julia, Haskell, Rust, C, Go, Python, Clojure, Swift
- **Web Development** Phoenix and Phoenix LiveView (Elixir), Mojolicious (Perl), Ring (Clojure)
- **Operating Systems** Linux, FreeBSD, macOS
- **Miscellaneous** Git, Docker, Travis CI

LANGUAGES

- **English** Native language
- **German** Fluent, CEFR level: C1–C2