FELIX SPRINGER

felixspringer149@gmail.com

felixspringer.xyz

Germany ◇ Augsburg

EDUCATION

Leibniz Universität Hannover   October 2016 - April 2021

Bachelor of Science

Major subject: Physics   grade point average: 2.4

Minor subject: Computer Science

Thesis: "Storage Register Design for an Ion Trap Quantum Processor"

Viktoria-Luise-Gymnasium Hameln   July 2008 - June 2016

General qualification for university entrance

Advanced courses: Physics, Mathematics, Geography   grade point average: 2.2

WORK EXPERIENCE

Possehl Analytics GmbH   April 2021 - today

Software Developer

- DevOps using Nix, Docker, git, AWS
- Backend-Programming in Haskell

LUH: Institut für Quantenoptik   February 2020 - March 2021

Technical Supervisor

- Operation, installation and maintenance of media technologies
- Recording and editing videos of experiments for Physics lectures
- Event management

LUH: Institut für Botanik   March 2019 - June 2020

System Administrator

- Administration of the network and local servers
- Maintaining and providing personal computers
- Automating and monitoring data backup

LUH: Institut für Angewandte Mathematik   October 2018 - February 2019

Tutor for the lecture "Mathematics 1 for Life Science and Earth Sciences"

- Weekly tutoring a class according to the lecture
- Grading exercises and exams

PERSONAL PROJECTS

go (work in progress)   github.com/jumper149/go

is a strategy board game and this implementation extends the ruleset by providing different boards to play on. This is a *fullstack* project with an *HTTP server* and a *frontend web application*, that is compiled with *GHCJS* and uses a *WebSocket* to communicate with the server. It's written in *Haskell*, making use of various *extensions* to the type systems. It builds with *Nix* and integrates well with *NixOS*.

blugon (still maintained)   github.com/jumper149/blugon

is a simple and configurable Blue Light Filter for *X11*. It's written mostly in *Python* and the main focus is to follow **nix* standards.

TECHNICAL SKILLS

Languages	German, English
Programming languages	Haskell, Idris, Python, Bash, C, Agda, Wolfram Mathematica, Scheme
Software/Tools	GNU Coreutils, Linux, Git, Nix, Vim, SSH, tmux, LaTeX, roff, HTML, CSS, JSON