

# ALBERT LUFT

Software Engineer / Illustrator

## CONTACT

### ADDRESS

Albstraße 3  
72172 Sulz am Neckar  
Germany Baden-Württemberg

### E-MAIL

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### PORTFOLIO

twiggeh.xyz

### DISCORD

Twiggeh#3436

## SKILLS

### PROGRAMMING LANGUAGES

JavaScript ES2020  
TypeScript / JSDoc  
CSS3 / SCSS  
Bash  
C# 8.0  
Python 3.7

### FRAMEWORKS / LIBRARIES

React 17  
Mongoose  
Express  
PassportJS  
Webpack

### TEMPLATING

Handlebars  
EJS  
HTML5

### OS

Linux  
Windows

### LANGUAGES

German : Native (C2)  
Russian: Native (C2)  
English: Fluent (C2)  
Spanish: A2  
Latin (Großes Latinum)

## PROGRAMMING EXPERIENCE

### COLONIST.IO FULLSTACK DEVELOPER [CURRENT EMPLOYER]

- Tech: EJS, Websocket, Node, Webpack, SCSS, PostgreSQL, Pixi.js, Docker
- Resolved fundamental issues like adding a style-guide, linter, formatter and breakpoint support for the server
- Fixed hard to track down bugs, e.g. random crashes caused by missing file IDs

Colonist.io creates a web-based, multiplayer table top game. At Colonist.io I was in charge of adding features requested by the community, fixing bugs, refactoring old code as well as to review PRs.

### SC2 REPLAY DISCORD BOT

- 100% Uptime
  - Written in a functional, stateless style
  - Implements mutexes\* to enable multiple people to work on the same dataset without allowing them to interfere with each other.
- Also orders discord's api messages into the correct chronological order.

*\*Mutexes are usually used in multi threaded applications to allow asynchronous access of the same data to multiple worker threads without running into the risk of giving out of date data to a thread.*

### DISCORD SWISS-KNIFE BOT

- Provides a feature complete, up to date, easily ingested discord api data abstraction layer.
- Format output to consolidate humans, Handlebars, and JS instances
- Easily extensible data manipulation, aggregation, and visualization

### VARIOUS STATIC WEBSITES

## PROGRAMMING PROJECTS

### CUSTOM WEBSOCKET ADAPTER

- Initializes 500% faster than Socket.io
- Same Api abstraction as Socket.io
- Hook component for ReactJS

### PLUGGABLE SOCIAL MEDIA MANAGER

- Manage all social media from one page

### IMGUR CLONE

- Image board clone utilizing React, GQL, Node & Grant

## ARTISTIC EXPERIENCE

### MULTIPLE STUDENTS

See their gradational artwork on [twiggeh.xyz/art](https://twiggeh.xyz/art)

### MASCOT SPLASH SCREEN ART

Stealthily branded Mascot Splash Art that is designed be printed on garnets  
See it on [twiggeh.xyz/art#ph\\_bird](https://twiggeh.xyz/art#ph_bird)

## MISCELLANEOUS EXPERIENCE

### SERVICING / INTEGRATING SYSTEMS

- Repairing Windows 7 - 10 Installations
- Configuring and building systems optimized for Content Creation / Gaming

### TEACHING AT A SCHOOL

- School assignment to gain real world experience (BOGY)

## EDUCATION

### OFFICIAL

- Albeck Gymnasium Sulz - grade: 2,4 (Range 1-6, 1 being the best)
- Princeton University Algorithms I & II (Coursera)

### UNOFFICIAL

- The entirety of Strange Loops
- Vanilla Js, MERN, HTML & CSS Udemy courses by Brad Traversy
- Notable Books:
  - You don't know JavaScript
  - Software Abstractions - Logic, Language and Analysis
- Pluralis Maiestatis