

Thomas Gotwig

Address Ginnheimer Landstraße 167a
60431 Frankfurt am Main
Deutschland

Contact 069 / 6986 1016
0152 / 2487 4511
tgotwig@gmail.com

Date and place of birth 04.07.1991 in Viechtach

Nationality German

Website www.tgotwig.me



Job

- 01.05.2020 – 15.07.2020 Student assistant at the **Medical Informatics Group**
Full-Stack-Developer ❖ Further development of an medical-register-system
Part-time along with Java 8, Maven, JSF, PrimeFaces, Docker,
PostgreSQL.
- 01.07.2018 – 28.06.2019 Full time employee with limited contract at **Arago GmbH**
Full-Stack-Developer ❖ Further development of an Elixir-based expert
Full-time system engine (AI-System)
❖ Establishment of automated cluster deployments
via Kubernetes under AWS
❖ Development of engine-specific performance tests
under AWS with Python and Java
❖ Further development of an ontology in turtle format
for JanusGraph
❖ Further development of an existing React Front-End

- 01.10.2017 – 29.06.2018 Bachelor project at **Philipps University**
Full-Stack-Developer ❖ Programming a system for analyzing gene
Full-time neighborhoods via interactive web visualizations
in Angular, D3, Node.js and Elasticsearch.
- 01.12.2016 – 29.09.2017 Student assistant at the **Justus Liebig University**
Front-End-Developer ❖ Implementation of various highly specific web
Part-time widgets in HTML5 and JavaScript for the visualization
of bacterial genome information
❖ Implementation of interactive standard diagrams
using open-source JavaScript libraries
❖ Implementation of a D3.js-based synteny plot

School & Study

- 11.03.2020 - continuously **Master of Science** in High-Integrity-Systems at UAS
Frankfurt
- 01.09.2013 – 25.10.2018 **Bachelor of Science** in Bioinformatics at THM Gießen
Elective Modules: Components and Frameworks, Genetic
Algorithms, Computer-Aided Drug Design, Introduction
to Molecular Modelling
- 01.08.2010 – 28.02.2013 State certified assistant for Information processing -
technology at TLS Gießen

Expertise

- Programming Languages* Elixir Java JavaScript Python R Rust Typescript
Shell Languages awk bash fish
Markup Languages HTML LaTeX XML YAML

<i>Style Languages</i>	CSS SASS
<i>Java Libraries</i>	JSF PrimeFaces Spring-Boot Springfox Swagger
<i>Javascript Libraries</i>	Angular Angular-Material ApexCharts Bootstrap D3 fontawesome GoogleChart Handlebars JQuery Lodash Materialize MomentJS Phylocanvas Quasar React RxJS TippyJS Tooltip-io VueJS
<i>Node.js Libraries</i>	ESLint Express Jasmine joi JWT Mocha MomentJS PassportJS PassportJS Protractor Socket-io
<i>Python Libraries</i>	Bokeh Jupyterlab Keras Matplotlib Numpy Pandas scikit-learn Seaborn Tensorflow
<i>Elixir Libraries</i>	Conform Distillery Phoenix
<i>Rust Libraries</i>	Clap iced Regex Serde yew
<i>Databases</i>	Elasticsearch JanusGraph MongoDB RedisGraph SQL
<i>Build Tools</i>	Cargo Distillery Maven NPM Pipenv Webpack
<i>Deployment Tools</i>	CircleCI Docker Jenkins Kubernetes
<i>Publishing</i>	Brew Chocolatey NPM Snapcraft
<i>Collaboration Tools</i>	Jira Pivot Tracker
<i>Cloud-Computing</i>	AWS-CloudFormation AWS-EKS Digitalocean Firebase GitHub-Pages
<i>Development Methods</i>	Kanban Scrum
<i>Sketching</i>	Adobe-XD Affinity-Designer/Photo diagrams-net
<i>Versioning</i>	Bitbucket Git Gitea Github Gitlab
<i>Operating Systems</i>	Alpine MacOS Ubuntu Windows
<i>Optimization Methods</i>	Evolutionary-Algorithms
<i>Recognition Algorithms</i>	Expert-Systems Neural-Networks
<i>Bioinformatics</i>	Bedtools-2 BLAST Bowtie-2 EMBOSS ETE-Toolkit MOE PyMOL rpy2 SAMtools Snakemake