

Jonas Schäfer

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Education

University of Birmingham

Bachelor of Science (BSc) in Computer Science

Birmingham, United Kingdom

09/2018 – Present

- Expected graduation in June 2021
- 1st Year average: Upper-second class Honours

Warndt-Gymnasium, Völklingen

Secondary School

Geislautern, Germany

08/2010 – 07/2018

- Graduated **Abitur 1.5** with examination subjects:
English - 14, Mathematics - 13, Informatics - 12, Geography - 10, German - 13
- Honor received for **Year's best final Informatics exam**

Work Experience

IT System Administration Intern at ProWIN Winter GmbH (3 weeks)

07/2019

- **Individual** development and integration of
 1. an automated HTML Order Confirmation script to improve Bookkeeping and reduce manual communication
 2. a Quick-navigation tool to navigate employee's most used websites in the network to improve working efficiency
 3. new password policies and password creation advice to improve safety of the company's network
 - **Teamwork** to provide support for employees over the IT Service Desk using the collaborative Jira software
- I quickly adopted to the working environment at ProWIN where I both **recognized opportunities of improvement** and **implemented software solutions** to improve the company's workflow efficiency and network security.

Engineering Internship "IngFo" at Saarland University (2 weeks)

07/2015

- I was introduced to a wide range of Engineering fields (e.g. *Materials, Automation, Systems Engineering, Drive Technology*) and gained insight into research and inner company workings of **HYDAC International GmbH** & **ZF Friedrichshafen AG** and greatly improved my group working skills in both research and industry environments.

Programming Projects

Complete Maze Solver - Robotics Groupwork - 20/20

03/2019

- I worked together in a Group of 3 to implement a highly complex maze solving program for a **Lego EV3 robot** using **leJOS EV3** where our functionalities and documentation went far beyond the expected level
- **Core implementations:** Scanning + mapping of environment, bluetooth live-updating external GUI, A* path finding, call-back function over stack, fastest route prediction, partial concurrency

→ I lead my team in an organized way under strong time pressure and learned and applied a variety of new technologies

Most code, further documentation and more projects can be found on my [GitHub repository](#)

Skills & Interests

General Skills: Leadership & Teamwork, Inquiring personality, fast learner and adaptable

Programming: Java, C, Haskell

Markup: L^AT_EX, Markdown, HTML

Technologies / Tools: Git, Unix, Zsh, JUnit (basic),

Languages: German (native), English (fluent), French (advanced), Polish (basic)

Interests: Programming, anything Science, Music (esp. playing the guitar & piano), Languages, Travelling

[References available on request - CV last updated as of November 6, 2019]