Jonas Schäfer

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Education

University of Birmingham   **Birmingham, United Kingdom**
Bachelor of Science (BSc) in Computer Science   *09/2018 – Present*

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

Warndt-Gymnasium, Völklingen   **Geislautern, Germany**
Secondary School   *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

Programming: Java, C, Haskell
Markup: LaTeX, 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 1, 2019]