Jonas Schäfer

📍 Birmingham - United Kingdom   📱 +44 7542 546497

✈ jonas.schaefer00@gmail.com   in linkedin.com/in/jonas-schaefer   ○ github.com/j0ner0n

🎓 EDUCATION

UNIVERSITY OF BIRMINGHAM
BSc Computer Science
09/2018 – 06/2021 | Birmingham, UK

- › 1st Year average: 2.1 Honours
- › Fields covered by the course so far:
    Artificial Intelligence
    Software Engineering
    Data Structures & Algorithms
    Robotics
    Java
    C & Systems Programming
    Mathematics & Logic
    Functional Programming

WARNDTGYMNASIUM
Abitur | Overall 1.5
07/2018 | Geislautern, Germany

- › Examination subjects:
    English – 14
    Mathematics – 13
    Informatics – 12
    Geography – 10
    German – 13
- › Honor received for Year's best final Informatics exam

📊 SKILLS & INTERESTS

PROGRAMMING
Java, C, Zsh (basic), Haskell

MARKUP
LaTeX, Markdown, HTML

TECHNOLOGIES AND TOOLS
Git, UML, Agile Dev, Linux, macOS

LANGUAGES
German, English (fluent), French (adv.)

INTERESTS
Science videos and articles, Music (esp. playing the guitar & piano), Languages, Travelling

💼 WORK EXPERIENCE

IT SYSTEM ADMIN. INTERN | ProWIN Winter GmbH
Jul 2019 (3 weeks) | Illingen, Germany

- › Projects and impact
    1. drastically improved Bookkeeping by automating email traffic with an HTML Order Confirmation script
    2. sped up general workflow of employees by developing a navigation tool to quickly reach employee's most used websites
    3. improved safety of the company's network by defining new password policies
    4. Improved my soft skills by providing support for employees as a Team over the IT Service Desk or in person
- » In just three weeks I recognized opportunities of improvement and implemented software solutions to improve the company's operating efficiency and network security.

</> PROJECT EXPERIENCE

STUDENT ORGANISATION APP | University Assignment
Dec 2019 | Birmingham, UK

- › `Application Proposal` for a Mental Health App that automates large parts of daily scheduling to help students organise themselves
- » Successfully lead a group of 7 as a Scrum master and went through the whole development cycle up to implementation
- » Designed a software solution for real pressing issues

GRAVITY SIMULATOR IN JAVA | Private Software Project
Nov 2019 | Birmingham, UK

- › `Simulator` of gravitational forces in 3D space capable of performing complex n-body simulations with extensive logging output, collision detection, real-time mode and more features.
- » I prove my ability to produce clean, easily customizable and well-documented code for complex private projects.

ROBOT MAZE SOLVER - ⟨20/20⟩ | University Assignment
Mar 2019 | Birmingham, UK

- › I lead a Group of 3 on the implementation of a highly `complex maze solving program` for a Lego EV3 robot
- › Core implementations:
    1. Mapping of environment using US and IR scans
    2. bluetooth transmission to live-updating external GUI
    3. A* path finding, call-back function, fastest route prediction
- » I sucessfully lead my team under time pressure and both learned and applied a variety of new technologies and programming techniques.