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🎓 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 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 successfully lead my team under time pressure and both learned and applied a variety of new technologies and programming techniques.