Jonas Schäfer

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📊 SKILLS & INTERESTS

PROGRAMMING LANGUAGES
Competent: Python • Java
Familiar: Kotlin • TS • Haskell • C • Zsh

MARKUP & STYLING
LaTeX • Markdown • HTML • (S)CSS

TECHNOLOGIES AND TOOLS
Git • Firebase • Angular • Hugo • Gradle • UML • Linux • macOS

LANGUAGES
> German (native - C2)
> English (fluent - C1/C2)
> French (advanced - B1)

INTERESTS
Science videos, listening to music, playing the guitar & piano, travelling, learning languages

🎓 EDUCATION

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

> **Predicted degree**: 1st Honours
> **Student Representative** for 2nd Year Computer Science courses
> **Prominent topics covered include**:
>> Machine Learning
>> Mathematical Modelling
>> Computer Vision & Robotics
>> Software Engineering
>> Mathematics & Logic
>> Data Structures & Algorithms

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

> **Examination subjects**:
> English (14), Mathematics (13), German (13), Informatics (12), Geography (10)
> Honor received for **school's best final Informatics exam**

💼 WORK EXPERIENCE

ROYAL SOCIETY INDUSTRY SUMMER STUDENTSHIP |
University of Birmingham, School of Biosciences
Jul 2020 – Sep 2020 | Full-time Studentship | Remote

> This **research** was funded by The Royal Society and supervised by Dr. Jackie Chappell, Senior Lecturer in Animal Behaviour.
> I iteratively designed a **Deep Neural Network**-based system to monitor behaviour of captive animals via CCTV-applied **pose estimation**.
> My work was presented and praised by academics at The Royal Society.
>> Within 10 weeks, I **independently** aquired fundamental **Computer Vision** knowledge required for this opportunity and **worked with real data** to design a monitoring system which is now subject to further research.

WEB DEVELOPER & GERMAN PARTNERSHIP LEAD |
Climate Science
Dec 2019 – Present | Part-time (voluntary) | Remote

> I **coordinate development** with our CTO and **implement and maintain** the organisation's **web app** in a dynamic technical team of 4-8 members.
> I **lead the coordination and negotiation** of partnerships and funding with private companies & regional and national ministries in Germany.
> Our web platform currently reaches about **16,000 monthly users** (February 2021) with an **increase of 63%** to the previous month alone.
>> I continuously devote time to **combat Climate Change misinformation**, aquire web technology expertise and deploy customer-facing products.

IT SYSTEM ADMINISTRATOR | ProWIN Winter GmbH
Jul 2019 (3 weeks) | Full-time Internship | Illingen, Germany

>> I improved the company's **operating efficiency** by automating order confirmations across departments and improved password policies for employees to **enhanced network security**.

</> PROJECT EXPERIENCE