

Data Science Positions, Helmholtz Information & Data Science Academy (HIDA)

Positions: Data Science Intern / Researcher

Organization Description: [HIDA](#) has a network of 44,000 scientists across a range of research areas and is seeking qualified applicants that meet the criteria below.

Project Description: Information and data science collaboration and support in one of the research domains listed below. Each intern is matched with a scientist or research group in one of the domains. Specific projects and level of responsibility determined on the basis of respective applicants' proficiencies and scientists' needs.

Schedule: 2021 Summer, with option to extend for 2021-22 Academic Year

Location: Internships will be conducted remotely in the summer of 2021. On-site internships may be available for permanent residents of Germany, depending on Princeton University's permissible travel guidelines.

Funding: Funding for living expenses and internship-related costs is available for first-, second- and third-year undergraduate students. Funding may be available for graduating seniors and graduate students. Please contact the Summer Work Program for more information.

[Application Form](#)

Requirements:

Academic Status: Classes of 2021, 2022, 2023, 2024 and graduate students.

Academic Fields: Qualified students from all academic fields are eligible to apply.

Language: German proficiency is not required.

Required skills:

- (1) A high level of proficiency in **at least one** of the following programming languages: Java, Python, R, C, C+, C++, MATLAB, Julia, Scala, SQL
- (2) Coursework and/or prior experience in **at least one** of the following areas: Data analytics / statistics, Scientific computation, Computational models, Computer simulations, Data mining / Machine learning, Deep learning, Imaging, Visualization, Geographic Information Systems, High-performance computing, Databases, Research data management, Data warehousing

Recommended:

- (1) Majors / Certificates / Coursework: Computer Science, Applications of Computing, Applied and Computational Mathematics, Computational and Information Science, Statistics and Machine Learning, and similar fields
- (2) Coursework, experience and/or demonstrated interest in one of the domains listed below **is recommended but not required**. For detailed information about the domains, visit the [Helmholtz Research for Grand Challenges](#) website.

- ENERGY
 - EARTH AND ENVIRONMENT
 - HEALTH
 - AERONAUTICS, SPACE AND TRANSPORT
 - MATTER
 - INFORMATION
 - PROGRAM-ORIENTED FUNDING
 - INFORMATION & DATA SCIENCE
 - QUANTUM TECHNOLOGIES
 - CLIMATE INITIATIVE
 - OPEN SCIENCE
 - INTERNATIONAL COOPERATION
-

Data Science Intern, Merck Healthcare

Position: Data Science intern

Project: Real-world data science projects in the healthcare sector

Schedule: 2021 Summer, with option to extend for 2021-22 Academic Year

Location: Internships will be conducted remotely in the summer of 2021. On-site internships may be available for permanent residents of Germany, depending on Princeton University's permissible travel guidelines.

Funding: Funding for living expenses and internship-related costs is available for first-, second- and third-year undergraduate students. Funding may be available for graduating seniors and graduate students. Please contact the Summer Work Program for more information.

[Application Form](#)

Requirements:

Academic Status: Classes of 2021, 2022, 2023, 2024

Academic Fields: Qualified students from all academic fields are eligible to apply.

Language: German proficiency may be required (please inquire)

Required skills: Machine learning and data processing approaches/packages in Python or R.

Recommended Fields: Mathematics, Computer Science, Applications of Computing, ORFE, Statistics and Machine Learning

Database Design Intern, Graphit Kropfmühl GmbH

Position: Database Design Intern

Project: Design of an SQL Database. Multiple projects relating to the design of a new database system for mining operations and production facilities. Tasks are assigned based on intern's qualifications.

Schedule: 2021 Summer, with option to extend for 2021-22 Academic Year

Location: Internships will be conducted remotely in the summer of 2021. On-site internships may be available for permanent residents of Germany, depending on Princeton University's permissible travel guidelines.

Funding: Funding for living expenses and internship-related costs is available for first-, second- and third-year undergraduate students. Funding may be available for graduating seniors and graduate students. Please contact the Summer Work Program for more information.

[Application Form](#)

Requirements:

Academic Status: Classes of 2021, 2022, 2023, 2024

Academic Fields: Qualified students from all academic fields are eligible to apply.

Language: German proficiency is not required.

Required skills: Microsoft SQL Server Administration, Database modeling, Visual Basic, MS Access

Junior Digital & Project Assistant / Junior Project Manager, Nature Consulting UG

Position: Junior Digital & Project Assistant / Junior Project Manager

Nature Consulting UG (<https://www.nature-consulting.com/>)

Organization Description: Nature Consulting advises, assesses and supervises projects in the environmental sector. We also support companies in offsetting land and emissions. Our main competences are forestry, CO2 reduction, conceptual land use planning and environmental education.

Industry areas: Conservation, Energy, Sustainability, Startups and Entrepreneurship

Project:

- Planning of workshops fitting to the themes mentioned above.
- Research for and developing of projects and products for simple implementation and usability in the fields of agriculture and forestry with focus on natural conservation, and climate protection aspects.
- Projects together with our partner INAS - Institute for applied sustainability (<https://www.inas-institut.de/>)
- Publishing of results prepared during the internships on our website.

Number of Positions: 2-3

Schedule: 2021 Summer, 10 -12 weeks

Location: remote, work conducted virtually

Funding: Funding for living expenses and internship-related costs is available for first-, second- and third-year undergraduate students. Funding may be available for graduating seniors and graduate students. Please contact the Summer Work Program for more information.

[Application Form](#)

Requirements:

Academic Status: Classes of 2021, 2022, 2023, 2024 and graduate students

Academic Fields: Qualified students from all academic fields are eligible to apply.

Language: Intermediate German (B1) or above

Recommended: Coursework, prior experience, and/or interest in Conservation, Energy, Sustainability, Startups and/or Entrepreneurship

Junior Digital & Project Assistant / Junior Project Manager, Institute for applied sustainability GmbH

Position: Junior Digital & Project Assistant / Junior Project Manager

Inas GmbH (<https://www.inas-institut.de/>)

Organization Description: The Institute for applied sustainability is a private institution that advises, assesses and supervises projects in the fields of corporate sustainability, corporate carbon footprint and life cycle assessment. Our aim is to transform science-based knowledge into practical use.

Our main competences are strategic sustainability, sustainability ratings and communication, waste management, CO2 reduction, and education.

Industry areas: Wide range. Companies focused on sustainability, bio-economy, biodiversity, energy, waste management and startups.

Project:

- Planning of workshops fitting to the themes mentioned above.
- Research for and developing of projects and products for simple implementation and usability in the fields of sustainability and circular economy with focus on small and medium sized companies.
- Projects together with our partner „Nature Consulting” - (<https://www.nature-consulting.com/>)
- Publishing of results prepared during the internships on our website.

Number of Positions: 1-3

Schedule: Flexible. 2021 Summer, with option to extend for 2021-22 Academic Year

Location: Remote. On-site internships in Ingolstadt, Germany may be available for permanent residents of Germany, depending on Princeton University’s permissible travel guidelines.

Funding: Funding for living expenses and internship-related costs is available for first-, second- and third-year undergraduate students. Funding may be available for graduating seniors and graduate students. Please contact the Summer Work Program for more information.

[Application Form](#)

Requirements:

Academic Status: Classes of 2021, 2022, 2023, 2024 and graduate students

Academic Fields: Qualified students from all academic fields are eligible to apply.

Language: Intermediate German (B1) or above

Recommended: Coursework, prior experience, and/or interest in conservation, energy, waste management, sustainability, bio-economy, biodiversity, startups and/or entrepreneurship

Webmaster, Princeton Alumni Association of Germany (PAAG)

Position: Webmaster

Project: Responsibilities include website maintenance and updates; uploading announcements, text and images received from the PAAG Chair; adding, removing and editing web pages.

Schedule: 2021 Summer, with option to extend for 2021-22 Academic Year

Location: Remote

Funding: Funding for living expenses and internship-related costs is available for first-, second- and third-year undergraduate students. Funding may be available for graduating seniors and graduate students. Please contact the Summer Work Program for more information.

[Application Form](#)

Requirements:

Academic Status: Classes of 2021, 2022, 2023, 2024

Academic Fields: Qualified students from all academic fields are eligible to apply.

Language: German proficiency is recommended but not required.

Required skills: Prior experience with web design and/or maintenance.

Recommended: Familiarity with Wix and/or similar platforms.
