

# Oferta: staż: Observer/Data analyst

**Data oferty:** 21-11-2022

**Data ważności:** 11-12-2022

**Nr referencyjny:** 8711/22/S

**Nazwa firmy:** Sybilla Technologies, sp. z o.o.

**Opis:** Sybilla Technologies focuses its activities on providing high-quality solutions for robotic telescopes and networks of robotic optical telescopes. We design, build, and operate robotic optical observatories for monitoring objects in space. To date, we have prepared and deployed more than a dozen fully robotic optical telescopes around the world working as part of a network under the supervision of ABOT - Astronomical Robot software. We work in the domains of Space Situational Awareness, Space Surveillance and Tracking, Space Traffic Management, Near Earth Objects, stellar and planetary research, education, and commercial on-demand observations.

The value we offer is the precise analysis of data from telescopes ranging from scientific projects searching for exoplanets, to the observation and analysis of asteroids and the monitoring of Earth's satellites for security purposes.

By focusing on the requirements placed on us, working closely with astronomical equipment manufacturers and continually developing our own within the European Space Agency, we create solutions tailored to specific project needs. Our customers, including Germany's Max Planck Institute, the UK's Open University, the MeerLICHT and BlackGEM projects, have chosen Sybilla Technologies' solutions because of our experience, the safe and uninterrupted operation of their telescopes, our ongoing support and our adaptation to the ambitious goals they set for future projects.

Company products:

- ABOT - Astronomical RoBOT - robotic operation of optical sensors
- WebPlan - tasking networks of sensors
- Astrometry24.NET (A24N) - data processing and analysis (astrometry, photometry, polarimetry)
- Turn-key, ground based observatories for optical observations

**Stanowisko:** Observer/Data analyst

**Kategoria stanowiska pracy:** Technika / Technologia / Inżynieria / Telekomunikacja / Astronomia: Astronom

**Typ pracy:** staż

**Rodzaj umowy:** umowa stażowa

**Forma świadczenia pracy:** hybrydowa

**Lokalizacja:** Polska, kujawsko-pomorskie, Bydgoszcz

**Obowiązki:** Sybilla Technologies is looking for an Observer-Data Analyst Intern who will join our Operations Team and participate in observing campaigns and tests for the European Space Traffic Management precursor activities. The person will participate in the daily operations of the global network of sensors and distributed across European countries data processing and analysis centres. Sybilla delivers data and services for European Union SST system (EU SST), European Space Agency, Polish Space Agency, commercial customers and research entities.

We look for candidates passionate about space thriving on optimization of efficiency, while maintaining high effectiveness of their work. The ideal candidate should have STEM or IT background. Previous experience in space observations or understanding of satellites and space debris topics is nice to have.

Tasks during internship:

- Supervision of sensors and services
- Planning, executing and analysing results of observing campaigns
- Help with data analysis
- Processing of data
- Telemetry analysis
- Work on documentation (processes, manuals, FAQs)
- Responding to the support requests

**Wymagania:****Praca zgodna z obszarem kształcenia**

- nauki ścisłe

**Kierunki studiów:**

- astronomia

**Umiejętności IT:**

- Systemy operacyjne / Windows - początkujący

**Języki:**

- angielski - B2 - ponadśredniozaawansowany

**Kompetencje zawodowe / miękkie / społeczne:**

- Myślenie analityczne: poziom 2

- Samodzielność: poziom 1

- Sumienność i dokładność: poziom 1

- Orientacja na cel: poziom 2

- Dążenie do rozwoju: poziom 1

**Inne wymagania:** Requirements:

- Higher education in engineering or STEM (finished or ongoing)
- Good command of the English language in writing and speech (candidate should be able to read and write technical documentation)
- Analytical competences
- Good knowledge of Office or similar office suite
- Ability to read and interpret data (from diagrams, charts, graphs), draw conclusions

## Nice to have:

- Knowledge of programming or scripting (C#, Python, Powershell)
- Familiarity with the optical observations of the night sky

**Warunki pracy:** Terms of internship:

- This is a paid internship, with possibility to employ top performers after internship
- Start date of cooperation: 1st of March 2023, internship duration: 3-5 months (ends in August 2023)
- Internship will be delivered in a remote/hybrid model
- The candidate will have a specialist assigned as mentor during internship duration
- The company will provide necessary tools (laptop with Windows, accessories)

**Typ aplikacji:** CV

**Kontakt:** e-mail: biurokarier@umk.pl

**Komentarz:** The candidate will receive knowledge from areas:

- Observational astronomy
- Data analysis and visualization (PowerBI, Python, C#, internal tools)
- Global network of sensors (supervision, handling, conducting observing campaigns)
- Space Traffic Management principles
- Supporting Space Safety services: Collision Avoidance, Re-Entry, Fragmentation, Survey, Catalogue Maintenance, Payload Separation, Manoeuvres

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"Staż odbędzie się w ramach programu stażowego CO-OP organizowanego przez Uniwersytet Mikołaja Kopernika w Toruniu (Inicjatywa Doskonałości - Uczelnia Badawcza we współpracy z Biurem Karier UMK).

Zasady projektu oraz składania dokumentów znajdują się na stronie:

<https://idub.umk.pl/konkursy-i-wyniki/konkursy-dla-studentow/program-stazowy-co-op/>

Jednocześnie prosimy o przesłanie swojego CV na adres: biurokarier@umk.pl do 11.12.2022. W temacie prosimy podać nazwę firmy i stanowiska, na które aplikujesz"