

Safety Manager

Roles: Determine safety hazards, Inspire observatory staff to value safety, Monitor and organize safety training trainings

TO BE CONTINUED...

Skills: Hazard identification, Ability to communicate risks and policy, Ability to give effective presentations



Ecologist

TO BE CONTINUED...

Roles: Monitor and maintain telescope sites to ensure environmental and wildlife protection

Skills: Knowledge of environmental systems, Knowledge of environmental conservation & restoration techniques



IT Manager

TO BE CONTINUED...



Roles: Design, develop, and guide the construction of Internet Technology (IT). Manage IT staff members. Provide tech support

Skills: Ability to lead projects from start to finish. Technical understanding of computer hardware, systems, and networking



Education & Outreach

Roles: Bring solar science to a general audience, Connect scientists with the public, Organize community events and workshops

Skills: Ability to communicate and collaborate with a diversity of people ranging in content knowledge and skill level.



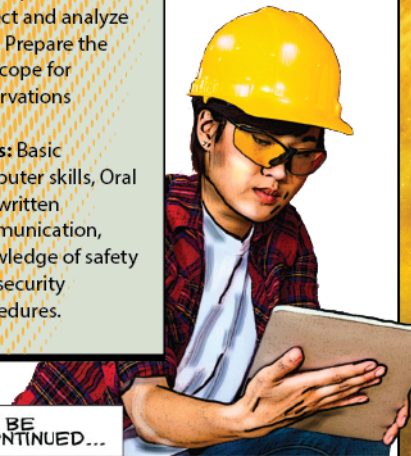
TO BE CONTINUED...



Telescope Technician

Roles: Control telescope cameras, Collect and analyze data, Prepare the telescope for observations

Skills: Basic computer skills, Oral and written communication, Knowledge of safety and security procedures.



TO BE CONTINUED...



Optical Scientist

Roles: Design and build optics (lenses, crystals, mirrors), Assemble, test and install optical systems into telescopes

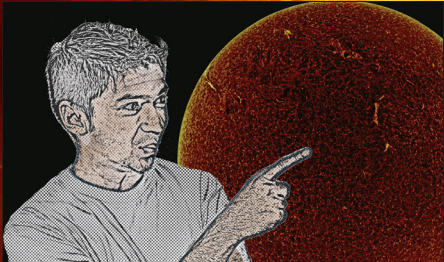
Skills: Hands-on experience. Able to work with delicate instruments



TO BE CONTINUED...



Solar Astronomer



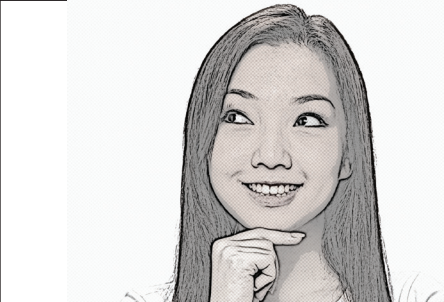
Roles: Study the Sun and Solar Physics, Manage and Develop Solar Telescopes

Skills: Self-Motivation, Math & Physics, Science Communication

TO BE CONTINUED...



Solar Astronomer



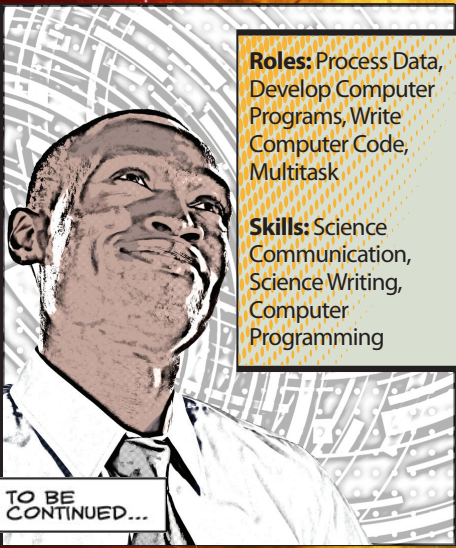
Roles: Study the Sun and Solar Physics, Manage and Develop Solar Telescopes

Skills: Self-Motivation, Math & Physics, Science Communication

TO BE CONTINUED...



Software Engineer



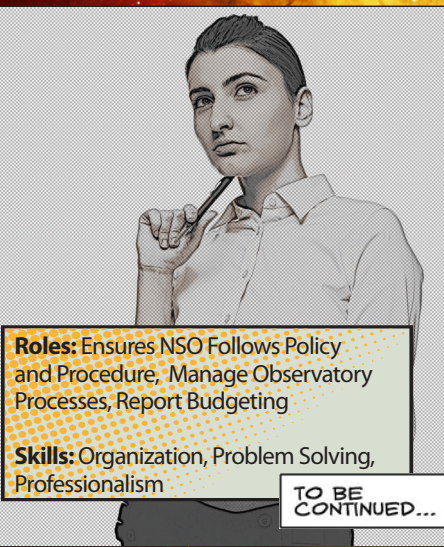
Roles: Process Data, Develop Computer Programs, Write Computer Code, Multitask

Skills: Science Communication, Science Writing, Computer Programming

TO BE CONTINUED...



Business Manager



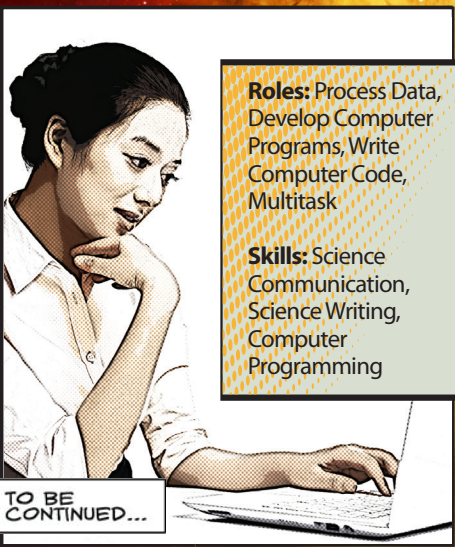
Roles: Ensures NSO Follows Policy and Procedure, Manage Observatory Processes, Report Budgeting

Skills: Organization, Problem Solving, Professionalism

TO BE CONTINUED...



Software Engineer



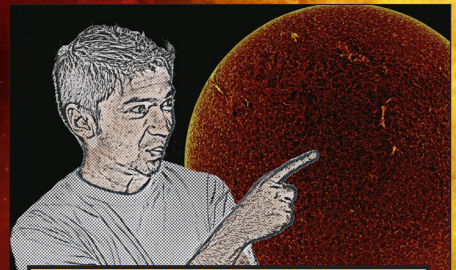
Roles: Process Data, Develop Computer Programs, Write Computer Code, Multitask

Skills: Science Communication, Science Writing, Computer Programming

TO BE CONTINUED...



Solar Astronomer



Roles: Study the Sun and Solar Physics, Manage and Develop Solar Telescopes

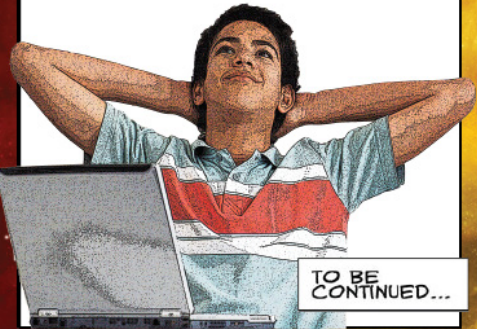
Skills: Self-Motivation, Math & Physics, Science Communication

TO BE CONTINUED...



Graduate Student

Roles: Complete college courses. Conduct student research and publish findings. All Ph.D level scientists are graduate students first.
Skills: Public speaking, Communication, Time management, Problem solving.



TO BE CONTINUED...



NSO



Professor

Roles: Conduct scientific research, teach academic standards, design and deliver college lessons

Skills: Engaging personality, Expert knowledge in subject matter, Ability to inspire



TO BE CONTINUED...



NSO



Mechanical Engineer

Roles: Create blueprints and drafts, Design telescope systems (e.g. thermal systems, mounts, etc.)

Skills: Computer-assisted drafting (CAD), Attention to detail, Works well under pressure



TO BE CONTINUED...



NSO

