



The “Moonwalker” boots are designed with fabric that is uniquely ribbed | Photo source [Shun Ping Pek](#)

DESIGNER CONCEPTUALISES BOOTS MADE FOR WALKING ON THE MOON

 ARCHITECTURE & DESIGN

The space shoes are meant to fit like a second or third skin and utilise Nike’s Lunarlon midsole

Spotted: Singapore-based designer [Shun Ping Pek](#) has designed a pair of boots meant to be worn on the moon. They have a laceless system, making them convenient for a planetary expedition.

The “Moonwalker” boots are designed with fabric that is uniquely ribbed, which can stretch easily to accommodate for users of different foot-forms and enables a full range of motion. The boots are meant to fit like a second or third skin when you wear them over the suit, which makes it a comfortable and secure footwear for space.

The [Nanyang Technological University](#) graduate also used a Lunarlon midsole, which was developed by [Nike](#). This material is a soft yet resilient cushion that allows the force of impact to be evenly distributed on one’s foot. It also makes the boots incredibly lightweight and elastic. (Note: Nike is in no way affiliated with this concept design).

Shun Ping is currently an industrial designer in [Nicosia Creative Expresso](#), a global creative agency. He is interested in the idea of materiality, in which designs are beyond form and function, and how the quality of material can be translated through designs.

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Takeaway:

The Apollo Program that ran until 1972 equipped astronauts with boots [made out of silicone rubber](#) that were designed by GE. With NASA aiming to build a human lunar landing system [by 2024](#), Shun Ping's design may enable astronauts to wear space footwear with increased mobility and comfort. Springwise has spotted other concept designs that may one day make their mark on outer space, including [SpacePharma's miniaturised and automated labs](#) and a transportation vehicle that can operate as a laboratory and return to Earth.