Versics (https://versics.com) is a start-up from the Optical Nanomaterial Group at ETH Zurich, developing innovative optical communication devices. The devices combine photonic interfaces such as optical fibers with high-speed electrical inputs and outputs. We are now packaging our first products and anticipate a great potential in optimizing the design of our integrated circuits. We are looking for you to strengthen our team with experience as:

**Internship in High-Speed Photonics for a Start-Up at ETH Zurich**

**Your challenges:**
- **Millimeter-wave photonics:** You will design and validate high-speed photonic integrated circuits beyond 70 GHz.
- **Product development:** You will be responsible for all aspects of the packaging and product qualification of millimeter-wave photonic devices
- **Communication:** You will maintain close collaboration with internal and external partners, as well as presenting the product to potential customers and investors
- **Agility:** You strive in a highly dynamic research-oriented environment with a strong entrepreneurial spirit.

**Your profile:**
- Master student in microsystems-/ electrical engineering, physics or similar
- Good understanding of general concepts in physics, especially electromagnetics, optics, and mechanics
- Basic experience in millimeter-wave RF design and tools, e.g., CST, HFSS, MWO, ADS
- Basic laboratory practice and knowledge of RF and photonics test equipment
- Hands-on experience in micro-soldering, bonding, or machining is a plus
- Interactive, action-oriented, entrepreneurial mentality
- Excellent command of English, strong communication and interpersonal skills

**Your benefits:**
- Member of a young and dynamic entrepreneurial team
- Financial support during the internship
- Collaborate with world-renowned experts in the field
- A workplace embedded in one of the top Universities in the world

**Application deadline:** 26th of March, 2021. **Starting time:** May 2021 or as mutually agreed

**Documents:** Send your CV (max. 2 pages) to Marc Reig Escalé (marcre@phys.ethz.ch)

**Research group:** Optical Nanomaterial Group, Versics (Physics Department)

**Location:** ETH Zürich (Hönggerberg Campus), HPT, Auguste-Piccard-Hof 1, 8093 Zurich