I AM QUANTUM

SHANNON HAMP

Photonics Applications & Sales Engineer at Spark Photonics Design

I serve as a technical point of contact for customers using software to design photonic integrated circuits (like electronic circuit boards that use photons instead of electrons!). I develop workshops to empower customers, deliver technical demonstrations, and represent Spark at conferences and workshops!

WHAT IS MY CONNECTION TO QUANTUM? Photonic integrated circuits guide light to transmit signals and read data, enabling technologies like quantum computing! Additionally, when photons interact with tiny structures on a circuit board, we can take advantage of quantum properties like entanglement.

HOW DID YOU GET INTO A QUANTUM-RELATED JOB?
I chose to study optics and photonics before I knew that the field enables quantum technologies. Optics and photonics opens the door to a wide range of career paths!

WHAT DO YOU LIKE BEST ABOUT YOUR JOB? Meeting a wide variety of customers who all have exciting and unique applications for photonic integrated circuits.

LEARN MORE
montana.edu/smrc/quantum/

Close-up view of a photonic integrated circuit (PIC).

SPARC PHOTONICS

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