VIDI aims to be the first company to provide a comprehensive surgical instrument tracking system for hospitals. Our vision is to help hospitals provide high-quality patient care while reducing the amount of resources spent on tool tracking and repurchasing surgical instruments.

We are seeking 1 or 2 highly talented students with experience in computer vision programmer/web designer/UX design to help us build a system that can identify, count, and track the full spectrum of surgical tools. Our team will collect and annotate any necessary training images, and we also have funding for cloud GPU computing (AWS, paperspace, google cloud, etc…). We understand that this is a very short timeline, but it will be critical for us to test our prototype this winter in order to obtain more funding and launch our first prototype.

We are looking for students who have one or more qualifications:
• Obtaining B.S./ B.A. in Computer Science/Web Design/User Interface
• Experience with common deep learning libraries (TensorFlow, Torch, Caffe)
• Experience developing convolutional neural networks for image recognition/object detection
• Fluency in Python

We are a team of highly motivated engineering and business students, and our startup idea has gained a lot of traction ($15,000 in prizes from multiple competitions, $50,000 National Science Foundation I-Corps award, and interviews at some of the top accelerator programs).