



BRITSEED

Lead Signal Processing Engineer

JOB LISTING

Company Name
BriteSeed, LLC

Company Address
4660 N. Ravenswood Ave.
Chicago, IL 60640

Company Point of Contact
Jonathan Gunn, PhD
CEO
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BriteSeed is a forward-thinking company committed to making minimally invasive surgery safer and more efficient. Our team is developing the next generation of laparoscopic and robotic surgical tools that provide real-time detection and visualization of hidden blood vessels, ureters, and other structures using advanced optics and artificial intelligence.

BriteSeed is supported by the NIH, NSF, the Texas Medical Center, and was named one of the top medical startup companies by MedTech Innovator.

Duties

Develop adv. signal & image processing algorithms to achieve real-time ident. & localization of anatomical structures in surgical field. Perform coding & develop platforms using C/C++, MATLAB, Python, PyTorch, Tensorflow, & Git, Develop & optimize deep learning networks for hyperspectral imaging cubes for classification of medical signals. Design optical hardware test rigs & prototypes that utilize unique, linear CMOS sensors, optical filters, & LED illum. specific to BriteSeed's proprietary optical subsystem for surgical tools.

Requirements

M.S. (or foreign equiv.) in Elec. Eng. or related field & 2 yrs.' exp. in job offered or 2 yrs.'exp. as a Processing Eng. Concurrent exp. must incl: 2 yrs. exp. with advanced signal & image processing algorithms; & 2 yrs. exp. using Matlab, Python & C/C++.