

Aaron Young

Assistant Professor, Mechanical Engineering at Georgia Tech College of Engineering
Atlanta, GA, US

Aaron Young is an expert in powered orthotic and prosthetic control systems for persons with stroke, neurological injury or amputation.

Biography

Dr. Aaron Young is an Assistant Professor in the Woodruff School of Mechanical Engineering at Georgia Tech and a member of the Institute for Robotics & Intelligent Machines. He also is a program faculty member of the Biomedical Engineering School. He is director of the Intelligent Prosthetic & Exoskeleton Controls (EPIC) Lab focused on lower limb robotic augmentation. His research focuses on optimizing control systems in wearable robotic devices by studying their effect on human locomotion biomechanics in clinical populations. The long term goal is to create clinically viable control systems for wearable robotic lower limb assistive devices that are smart and intuitive to use. His previous experience includes a post-doctoral fellowship at the University of Michigan in the Human Neuromechanics Lab working with lower limb exoskeletons and powered orthoses to augment human performance. His dissertation work at Northwestern University in the Center for Bionic Medicine at the Rehabilitation Institute of Chicago focused on using machine learning strategies for enabling intent recognition systems for powered lower limb prostheses.

Areas of Expertise

Robotic Mobility Enhancement, Myoelectric Control, Biological Signal Processing, Machine Learning, Assistive Devices, Human Augmentation, Lower Limb Prostheses, Exoskeletons, Wearable Robotics, Lower Limb Gait Biomechanics, Physical Human-Robot Control Systems, Intent Recognition, Human Subject Experimentation

Education

Northwestern University

Ph.D.

Northwestern University

M.S.

Purdue University

B.S.

Selected Accomplishments

New Faces of Engineering award through DiscoverE

New Faces of Engineering award through DiscoverE ? IEEE USA winner, 2017

BME Research Award in Neural and Rehabilitation Engineering
BME Research Award in Neural and Rehabilitation Engineering, 2014

Military Health System Research Symposium Team Award
Military Health System Research Symposium Team Award, 2015

[Please click here to view the full profile.](#)

This profile was created by [Expertfile.](#)