

EDUCATION	Stanford University <i>M.S. Mechanical Engineering</i>	Stanford, CA <i>Expected 2018</i>
	University of Illinois at Urbana-Champaign <i>B.S. Mechanical Engineering, Bronze Tablet (top 3% engineering)</i> GPA: 3.98 / 4.00	Champaign, IL <i>May 2016</i>
PUBLICATIONS	P. Slade , A. Akhtar, M. Nguyen, and T. Bretl, "Tact: Design and Performance of an Open-Source, Affordable, Myoelectric Prosthetic Hand," in <i>IEEE International Conference on Robotics and Automation</i> , Seattle, May 2015. A. Akhtar, ... P. Slade , "Passive mechanical skin stretch for multiple degree-of-freedom proprioception in a hand prosthesis," in <i>EuroHaptics</i> , Versailles, Jun. 2014.	
RESEARCH	Harvard REU - Biodesign Lab <i>Undergraduate Research Assistant – Professor Conor Walsh</i> <ul style="list-style-type: none">• Designed & manufactured active knee exosuit to assist uphill walking• Real-time control and sensor processing in C for adaptive controller	Cambridge, MA <i>June – Aug. 2015</i>
	Bretl Research Group <i>Undergraduate Research Assistant – Professor Tim Bretl</i> <ul style="list-style-type: none">• Haptic sensory feedback work: skin stretch, vibrotactile, electrotactile• Designed prostheses with state-of-the-art performance for 100x less cost	Champaign, IL <i>Oct. 2013 - Current</i>
	University of Illinois REU - Robotics and neuro-Mechanics Lab <i>Undergraduate Research Assistant</i> <ul style="list-style-type: none">• Led team to implement prosthetic hand on patient in Ecuador• Embedded real-time system in C, digital signal processing, PID motor control, CAD/FEA design, and machine learning for pattern recognition	Champaign, IL <i>June – Aug. 2014</i>
EXPERIENCE	PSYONIC <i>Co-founder</i> <ul style="list-style-type: none">• Startup for advanced prosthetic hands with sensory feedback at 10x less cost• Raised \$40k+ (Cozad New Venture Winner, Samsung Innovation Prize, etc)• Developed business plan and successfully pitched to venture capitalists	Champaign, IL <i>July 2014 - Current</i>
PORTFOLIO	http://www.patslade.wordpress.com/	
SKILLS	CAD: Solidworks, Pro E/Creo, Autodesk Inventor, FEA tools Programming: C/C++, Matlab, Java, HTML/PHP Software: LabVIEW, Mathematica, MOS, TeX, EAGLE Hardware: MSP430, BeagleBone Black, Rapid Prototyping, machine shop, SMT	
OTHER	Engineering Council Outreach , Illini Running Club founder, EC webmaster	
HONORS	NSF GRFP, Forbes 30 under 30 in Healthcare, TEDxUIUC Speaker, Bronze Tablet (top 3% of engineering), Goldwater Scholar	