

UNIVERSITY OF ILLINOIS  
AT URBANA-CHAMPAIGN

Neuroscience Program

1624 Beckman Institute, MC-251  
405 North Mathews Avenue  
Urbana, IL 61801



January 7, 2016

To Whom It May Concern,

It is with great enthusiasm that I endorse Adam Yang. I am currently an M.D./Ph.D. candidate in Neuroscience working in the Bretl Research Group at the University of Illinois at Urbana-Champaign under Professor Tim Bretl. Our research involves developing sensorimotor control strategies for prosthetics in conjunction with the Rehabilitation Institute of Chicago and the John Rogers Group. I am also the Co-Founder and CEO of PSYONIC, a startup whose mission is to develop highly advanced, neurally-controlled prosthetic devices at low-cost to those who need them around the world.

I served as Adam's research supervisor in the Bretl Research Group during the summer of 2015. At the time, I was looking for students who had extensive skills in circuit design for developing our newest electromyography (EMG) muscle sensing platform for our prosthetic hands. Adam reached out to me and had been a crucial member of the team in getting our device to work. Every day, Adam made significant progress in testing new circuit designs and programming the TI ADS1298 surface mount integrated circuit for measuring 8-channels of EMG. He was able to get the chip to work successfully and stream all 8-channels of data simultaneously. In addition to this work, he also helped to design and test circuits for a pressure sensor system to be embedded in the fingertips of the prosthetic hands. Adam's proficiency in circuit design and microcontroller programming was truly an asset that summer. Even after he left, he continued to help us in debugging circuit designs through online correspondence.

Given his strong work ethic and ability, I truly believe that Adam will be able to contribute significantly to any project that he is a part of, especially in designing circuits and programming microcontrollers. If you have any questions or concerns, please contact me by email at [aakhta3@illinois.edu](mailto:aakhta3@illinois.edu) or by phone at (773) 888-3252.

Sincerely,

A handwritten signature in black ink, appearing to read 'Aadeel Akhtar'.

Aadeel Akhtar  
M.D./Ph.D. Candidate, Neuroscience, University of Illinois at Urbana-Champaign  
CEO, Co-Founder, PSYONIC