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EDUCATION

University of Illinois at Urbana-Champaign <i>Bachelor of Science in Molecular and Cellular Biology</i> <i>Honors Concentration – James Scholar</i> <i>Minor in Electrical and Computer Engineering</i>	Expected Graduation Date: December 2016 GPA: 3.72/4.0
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RESEARCH EXPERIENCE

Bretl Brain-Computer Interface Lab <i>Undergraduate Researcher</i> <ul style="list-style-type: none">Utilize EEG, a non-invasive measurement of brain activity, to classify neural signals in real-timeInvestigate the use of neural signals to create a direct link between humans and computers	Urbana, IL April 2013-Present
Llano Auditory Neuroscience Lab <i>Undergraduate Researcher</i> <ul style="list-style-type: none">Develop optogenetic tools to study subpopulations of auditory cortical neuronsCode MATLAB programs to process signals and analyze imaging data for laboratory experiments	Urbana, IL May 2014-Present
Center for Bionic Medicine - Rehabilitation Institute of Chicago <i>Research Intern</i> <ul style="list-style-type: none">Utilized a perturbation device and goniometer to develop a model for ankle impedance in humansExamined the biomechanical differences in individuals with a history of ankle injuries	Chicago, IL May 2015-August 2015

WORK EXPERIENCE

College of Business – Sung Won Kim Research Group <i>Software Developer</i> <ul style="list-style-type: none">Create programs to “scrape” data from forums on BabyCenter.com for analysis of online communitiesProduce visualizations of networks of users from related groups as a graphical model	Urbana, IL May 2016-Present
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LEADERSHIP AND ACTIVITIES

Biomedical Engineering Society <i>Engineering Open House Project Member</i> <ul style="list-style-type: none">Develop a multi-functional controller using EEG for the Engineering Open House symposiumCreate programs to link the controller to several different devices (e.g. computer, TV, RC car)	Urbana, IL December 2014-Present
Football Club Illinois <i>Co-Founder, Treasurer</i> <ul style="list-style-type: none">Organize different athletic events including football, boxing, and soccerHandle the finances of the club and allocated money collected from fundraising	Urbana, IL October 2012-Present
Other Activities: MCB LIGASE (Student Tutoring) Founders - Illinois Entrepreneurs Climbing Club Institute of Electrical and Electronics Engineers (IEEE) Association for Computing Machinery (ACM)	

HONORS

<ul style="list-style-type: none">Illinois State Scholar: 2012Chicagoland H.S. Film Festival Finalist: 2012Goldwater Scholarship (Hon. Mention): 2015	<ul style="list-style-type: none">Richard C. Kolze Achievement Award: 2012Oliver J. Bell MCB Honors Scholarship: 2014College of LAS Dean’s List: 5 Semesters
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QUALIFICATIONS

Fluent with Computer Operations <ul style="list-style-type: none">Proficient with Microsoft applications. (Word, Excel, PowerPoint)Skilled with Art & Graphics programs. (Adobe Photoshop, Illustrator, GIMP)Programming Languages: MATLAB, Mathematica, Java, Python, HTML/CSS
Experienced in the Fundamentals of Big Data Analysis <ul style="list-style-type: none">Knowledgeable with machine learning tools (classification and clustering algorithms)Familiarity with social network analytics using graph modelsDeveloped signal processing software in MATLAB for audio and visual recognition