

PATRICK BOHSE

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Education:

University of Pittsburgh – Pittsburgh, PA

Expected Graduation Date: 2020

Major: Bioengineering

Minor: Chemistry, Computer Science

GPA: 3.53

Related Experience:

Human Movement and Balance Laboratory – Pittsburgh, PA

2018 – Present

Researching the role of attention in balance and mobility in Autism Spectrum Disorder using reaction timing and infrared motion capture, processing and analyzing data using Matlab

Regeneron Pharmaceuticals Cell Culture Co-Op – Tarrytown, NY

2017

Process development for production of therapeutic antibodies via CHO cell culture in benchtop bioreactors and shake flasks using aseptic technique, Tech development of a small-scale perfusion bioreactor model working toward goal of continuous processing

Pitt Design Hub – Executive Board Member & Team Lead

2016 – Present

Collaborating with clinicians and other undergraduates to develop a more efficient method of applying EEG Electrodes

Pitt Biomedical Engineering Society

2015 – Present

Participation in weekly meetings focused on academic and professional networking, service, and bioengineering community events

University of Pittsburgh Freshman Engineering Conference

2016

Co-author of “Rational Design Protein Engineering Through Crowdsourcing,”
Session B2 Best Poster Award

Relevant Coursework – Biomechanics, Thermodynamics, Linear Systems and Electronics, Solidworks, Intermediate Programming in Java, Intro to Engineering Analysis & Computing, Cell Biology, Organic Chemistry, Biochemistry, Statistics, Differential Equations, Calculus 2 & 3, Linear Algebra
Computer Skills/Programming Languages Java, HTML/CSS, MATLAB, JMP, Solidworks, LIMS, EndNote

Other Experience:

SteelHacks 2018

2018

Awarded 3rd place for designing an autonomous aquaponics system using Solidworks and a Raspberry Pi

Youth and Family Research Program – Pittsburgh, PA

2016

Clerical assistant – Worked independently on scanning, filing, shredding, and other clerical duties, including using EndNote to manage citations

Community Service:

Pitt Make a Difference Day

2015, 2016, 2017

Prepared food for the homeless, Planted and weeded overgrown areas

Global Links

2015

Refurbished old wheelchairs to send to hospitals in less fortunate countries

Service in Dominican Republic

2015

Teamed with a Dominican environmental school in planting, weeding, trail building, reforestation, and recycling

Character Education Program

2013 - 2015

Program to teach elementary students anti-bullying

Awards:

National Society of Leadership and Success

2016

Phi Eta Sigma National Honor Society

2016

Sigma Alpha Lambda Honor Society

2016

National Society of Collegiate Scholars

2016