Christopher David Miller

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EDUCATION
Bachelor of Science – Mathematics/Computer Science *Expected Graduation: May 2019*
Allegheny College, Meadville, PA
Minor: Chinese
Academic Honors:
National Science Foundation Scholar *2015-2019*

PUBLICATIONS
Ren, Y., H. West-Foyle, A. Surcel, C. Miller, and D. N. Robinson. "Genetic Suppression of a Phosphomimic Myosin II Identifies System-level Factors That Promote Myosin II Cleavage Furrow Accumulation." Molecular Biology of the Cell 25.25 (2014): 4150-165. Web.

PROJECTS
Lead Information and Reporting App *May 2018*
- As member of a three person team, I developed the front end of a survey application for users in the Flint,Michigan area to report their suspicions of lead poisoning.
- Using React Native, the user interface and data collection components were developed for both iOS and Android Devices.

WORK EXPERIENCE
Student Researcher, Department of Mathematics, Allegheny College *June 2017 – September 2017*
- Analyze elements of symmetric groups to identify basis for the group
- Seek relational patterns in data sets ranging from 3 to 120 elements
- Organize data sets visually to make details and relationships readily apparent

Historian, Inclusion, Diversity, Equity, Access & Social Justice Center, Allegheny College *August 2016 - 2017*
- Spearheaded research to collect, analyze and present information on the history of minority groups at Allegheny College to share and educate the community on the progression of diversity
- Synthesize data, find and summarize historical evidence to formulate reports and convey a story of the past for people to understand

Career Peer Advisor, Career Education, Allegheny College *February - August 2016*
- Organized, catalogued and arranged job and internships offerings into Gator Connect a Salesforce based program
- Maintained and monitored Career Education's social media presence including Facebook, Instagram and Twitter

LEADERSHIP &TEAMWORK EXPERIENCE
President, Chinese American Friendship Society, Allegheny College *May 2016 - Present*
- Plan and coordinate several events to celebrate Chinese Culture on Allegheny's Campus such as Chinese New Year
- Facilitate sustained dialogue to bring forth meaningful conversation and progress towards understanding cultural and language barriers amongst the Allegheny Community

Participant, Big Ideas Competition, Allegheny College January – April 2017
- Performed market research and SWOT analysis of virtual reality language learning software/hardware
- Participated in multiday presentations to two panels of five judges consisting of CFOs, CEOs, and CFAs
- Prepared financial projections in order to compete
- Defended market research during competition in presentation of business proposal

Activity Instructor, The Woodlands Foundation, Wexford, PA *June - August 2016*
- Developed and implemented innovative adaptive activities to engage participants with chronic illnesses and disabilities in systematic programming
- Facilitated participant's progression in achieving individual activities of daily living such as completing independent hygiene routines and learning the etiquette of social interaction with peers
- Supervised and supplemented counseling and personal care to participants on a daily basis

Researcher, Johns Hopkins School of Medicine, Baltimore, MD *June - September 2014*
- Conducted, led and quantified growth curves on Dictystelium Discoidum amoebas with modified myosin II protein in order to capture the effect that 3xAsp has on cytokinesis
- Presented and collaborated with other scientists in order to publish an original body of research

SKILLS
Computer: G-Suite, Java,JavaScript, Python,React, React Native
Language: English (Native), German (Intermediate), Chinese (Intermediate)