

# Brian Powell

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<b>EDUCATION</b>	<b>Youngstown State University</b> , Youngstown, Ohio, USA	
	Bachelor of Science (B.S.) in Computer Science Minor: Mathematics Cumulative GPA: 3.1 / 4.0	Aug 2010 – May 2015
	Master of Computing and Information Systems (MC.I.S.) Cumulative GPA: 3.9 / 4.0	Aug 2015 – Dec 2016
<b>TEACHING EXPERIENCE</b>	<b>INFO 1575 - Document Preparation</b> Youngstown State University CSIS Part-time Faculty	Aug 2015 – Dec 2016
	<b>CSIS 1514 - Business Computer Systems</b> Youngstown State University CSIS Part-time Faculty	Jan 2016 – Dec 2016
	<b>CSIS 2605 - Fundamentals of Programming</b> Youngstown State University CSIS Part-time Faculty	Jan 2017 – Current
	<b>CSIS 4822 - Database Applications</b> Youngstown State University CSIS Part-time Faculty	Jan 2017 – Current
<b>RESEARCH EXPERIENCE</b>	<b>Center for Applied Chemical Biology</b> , Youngstown State University Undergraduate Research Student Project(s): Plant Alternative Splicing Database, The Protist Secretome and Subcellular Proteome Knowledgebase Supervisors: Dr. Min and Dr. Yu Research areas: subcellular prediction, predicting alternative splicing events, analyzing prediction methods accuracy, observing conserved domains.	Aug 2014 – Dec 2016
<b>PUBLICATIONS</b>	1) Min, Xiang J., et al. "Genome-wide cataloging and analysis of alternatively spliced genes in cereal crops." <i>BMC genomics</i> 16.1 (2015): 721. 2) Wai, C.M., Powell, B., Ming, R. et al. "Analysis of Alternative Splicing Landscape in Pineapple ( <i>Ananas comosus</i> )" <i>Tropical Plant Biol.</i> (2016) 9: 150. 3) Wai, C.M., Powell, B., Ming, R. et al. "Genome-Wide Identification and Analysis of Genes Encoding Proteolytic Enzymes in Pineapple" <i>Tropical Plant Biol.</i> (2016) 9: 161. 4) Powell B., Amerishetty V., Meinken J., Knott G., Feng Y., Cooper C., and Min X.J. "ProtSecKB: the protist secretome and subcellular proteome knowledgebase" <i>Computational Molecular Biology</i> (2016) 6(4): 1-12.	
<b>PEER-REVIEWED CONFERENCES</b>	1) Powell,B., Min,XJ., Amerishetty,V., Meinken,J., Yu,F. and Cooper,C. (2015) "Development of ProtSecKB: the Protist Secretome and Subcellular Proteome Knowledgebase" <i>Poster Presentation at Great Lakes Bioinformatics Conference.</i> 2) Min,XJ., Powell,B., Braessler,J., Meinken,J., Yu,F. and Sablok,G. (2015) "Genome-wide comparative analyses of alternative splicing genes in cereal plants" <i>Oral Presentation at Great Lakes Bioinformatics Conference.</i>	
<b>ACADEMIC HONORS &amp; MISCELLANEOUS</b>	Dean's List: Fall 2010, Spring 2011, Spring 2013, Fall 2014, Fall 2015, Spring 2016 Youngstown State University For attaining a semester GPA of at least 3.5. 2014 East Central NA Regional Contest 2013 & 2014 ACM International Collegiate Programming Competition (ICPC)	

**CAMPUS ACTIVITIES**      **Emerging Leaders Program**, Youngstown State University  
Member      Aug 2010 – May 2015  
ELP is a dynamic leadership development program that emphasizes leadership being a life-long journey involving self-discovery, collaborative relationships, and empowering community.

**OTHER WORK EXPERIENCE**      **Turning Technologies**, Youngstown, Ohio, USA  
Collaborative Software Engineering Project      Sep 2014 – Dec 2014  
Worked with classmates to refresh one the Turning Technologies’ website, ”TitleTrack”. We redid the website using newer frameworks and languages such as, Grails and Groovy.

**Covelli Enterprises**, Warren, Ohio, USA  
Full Stack Programmer      May 2016 – Current  
Maintain their web server and video-panels for franchised restaurants. Responsibilities include creating/modifying backend scripts, editing database records and tables, and passing security checks.

**SKILLS**      T<sub>E</sub>X, L<sup>A</sup>T<sub>E</sub>X, X<sub>Y</sub>L<sup>A</sup>T<sub>E</sub>X, MATLAB, R, PHP, C++, HTML, MySQL, PostGRESql, Java, Groovy, PERL, Python