

JOSEPH GENE BADLATO

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TECHNICAL SKILLS

Javascript, Python, C/C++
Node.js, Express.js
HTML/CSS
MATLAB
MNova NMR Spectra Processing
Git, Windows PowerShell

COURSEWORK

Honors Physical Chemistry
Bioorganic Chemistry
Numerical Analysis
Linear Algebra
Number Theory
Honors Principles of Economics

EDUCATION

B.S. in Mathematics & B.S. in Chemistry, May 2017

Cum Laude, Honors Scholar

Virginia Polytechnic Institute and State University (Virginia Tech)

Overall GPA: 3.567 Chemistry GPA: 3.552 Mathematics GPA: 3.610

Dean's List with Distinction, 2013 – 2014 | Dean's List, Spring 2015, Fall 2016, Spring 2017

EXPERIENCE

Undergraduate Researcher, Virginia Tech Chemistry Department, January 2015 – August 2015

Performed experiments under the direction of Dr. Felicia Etzkorn to synthesize a peptide chain as a potential anti-cancer drug delivery mechanism.

Presented findings at the 2015 Virginia Tech Chemistry Department Research Symposium. Selected for the Chemistry Department's Summer Undergraduate Research Scholarship to continue research through the summer for 30 hr/wk.

Organic Chemistry Teaching Assistant, January 2017—May 2017

Responsible for holding office hours & review sessions each week, as well as assisting in grading tests & homework.

Mathematics Department Grader, January 2017—May 2017

Responsible for grading multivariable calculus papers.

Chemistry & Mathematics Tutor, Yup Online, June 2016 – present

Assisted students of all ages with courserwork through the Advanced Placement Chemistry & Calculus curricula.

HONORS & AWARDS

Virginia Tech Merit Scholarships

John William May '42 Endowed Scholarship, Department of Chemistry, 2016 – 2017

Julius P. Bilisoly Chemistry Scholarship, Department of Chemistry, 2015 – 2016

R. H. Bogle Scholarship, Department of Chemical Engineering, 2015 – 2016

Charles W. and Mildred W. Carter Scholarship, College of Engineering, 2015 – 2016

Donald and Madeline Stewart Scholarship, College of Engineering, 2015 – 2016

Summer Undergraduate Research Scholarship, Department of Chemistry, 2015

Worked under the direction of Dr. Felicia Etzkorn in chemistry/biochemistry.

ORGANIZATIONS

Alpha Tau Omega, Leadership Development Fraternity, September 2015 – May 2017

Historian, Member of the Executive Board, September 2016—March 2017

Public Relations Officer, January 2016—December 2016

Member of Philanthropy & Public Relations Committees.

Virginia Tech Residential Leadership Program, August 2013 – May 2014

Selected as one of 220 freshman students for a living/learning community dedicated to leadership.

VT Hacks Hackathon, April 2014

Worked over a period of 36 hours in a team to develop a game for Android devices.

St. Baldrick's Foundation, 2007 – 2014

Participated as both a Shavee and volunteer to help raise money for childhood cancer research.

Member of the Knights of the Bald Table, for over seven years of participation.