

Kevin J. Drummey

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EDUCATION

Virginia Tech

PhD Student in Macromolecular Science and Engineering
Advisor: Dr. Timothy E. Long, GPA 3.92/4.0

*Blacksburg, VA
August 2014 – present*

Virginia Tech

BS Chemistry, BS Biochemistry
Magna Cum Laude, GPA 3.75/4.0 in Chemistry, 3.62/4.0 Overall

*Blacksburg, VA
August 2010 – May 2014*

RESEARCH EXPERIENCE

Virginia Tech

Graduate Researcher, Advisor: Dr. Timothy E. Long

*Blacksburg, VA
August 2014 – present*

- Fundamental studies into photoinitiator-free 3D printing resins for micro-stereolithography and reducing anisotropy of printed parts using non-covalent interactions
- Investigating the synthesis, characterization and structure-property relationships of non-covalently crosslinked polymers from radical polymerization methods
- Exploration on how monomeric charge density and self-complementary hydrogen-bonding affects viscoelastic and mechanical properties with a focus on adhesive performance

Virginia Tech

Undergraduate Researcher, Advisor: Dr. James E. McGrath

*Blacksburg, VA
May 2013 – January 2014*

- Explored the effect of hydrophobicity and fluorophilicity on segmented poly(arylene ether sulfones) for proton exchange membrane fuel cell applications.

TEACHING EXPERIENCE

Virginia Tech

Recitation Instructor

*Blacksburg, VA
January 2014 – May 2014*

- Instructed three General Chemistry recitations of 35 students each once per week.
- Aided students in their understanding of chemistry through explaining and providing clarification of concepts, and facilitated students' analytical problem solving skills.

- Supervised and graded weekly quizzes and provided feedback through email or one-on-one correspondence with students.

PUBLICATIONS

- Zhang, K.; Drummey, K. J.; Moon, N. G.; Chiang, W. D.; Long, T. E. *Polym. Chem.* **2016**.

PROFESSIONAL AFFILIATIONS

- Alpha Chi Sigma, Professional Chemistry Fraternity *January 2015 – present*
- Out in Science, Technology, Engineering and Mathematics (oSTEM) Chapter at Virginia Tech *September 2012 - present*

AWARDS AND RECOGNITION

- ACS Polymer Chemistry Division Outstanding Poster Award *August 2015*
- HyperCube Scholar Award, Department of Chemistry *Spring 2014*
- Dr. Roy H. Bible, Jr. '48 Memorial Scholarship *Fall 2013*