

Curricula Vitae Blair A. Winograd

PERSONAL DETAILS

Address 209 S. Fourth Ave
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EDUCATION

Ph.D. Chemistry 2014-Present
University of Michigan
Supervisors: Dominika Zgid
Thesis Title: TBD

Bachelor of Arts 2009-2013
Washington University in St. Louis

AWARDS AND GRANTS

Department of Education Graduate Assistance in Areas of National Need (GAANN)
Fellow
2016

Transforming Learning for Third Century Discovery/Quick Wins Grant- University of Michigan
2015-2016
E. Geva, H. P. Hendrickson, M. Jafari, A. R. Welden, K. Williams, & B. Winograd

AAAS/Science Program for Excellence in Science
Awarded, 2015

POSTER PRESENTATIONS

A Stochastic Implementation of the Second-Order Green's Function
University of Waterloo - Symposium on Chemical Physics
2016

A Stochastic Implementation of the Second-Order Green's Function International Society for Theoretical
International Society for Theoretical Chemical Physics
2016

A Stochastic Implementation of the Second-Order Green's Function
Midwest Theoretical Conference
2016

Towards Improved Calculations of Periodic Systems
Midwest Theoretical Conference
2015

Towards Improved Calculations of Periodic Systems
CES|UM
2015

TEACHING DEMONSTRATIONS

<http://demonstrations.wolfram.com/ReversibleAndIrreversibleIsothermalExpansionOfAnIdealGas/>
<http://demonstrations.wolfram.com/AdiabaticExpansionAndCompressionOfAnIdealGas/>
<http://demonstrations.wolfram.com/WorkDoneInReversibleAndIrreversibleCompressionOfAnIdealGas/>
<http://demonstrations.wolfram.com/IsobaricCompressionAndExpansionOfAnIdealGas/>

TEACHING

Graduate Student Mentor

<i>Physical Chemistry, CHEM230</i> University of Michigan	2016 Fall Semester
<i>Physical Chemistry, CHEM230</i> University of Michigan	2016 Winter Semester
<i>Physical Chemistry, CHEM260</i> University of Michigan	2015 Fall Semester

Future-Faculty Graduate Student Instructor

<i>Physical Chemistry, CHEM260H</i> University of Michigan	2016 Fall Semester
<i>Compute-To-Learn</i> University of Michigan	2015 Winter Semester
<i>Physical Chemistry, CHEM260H</i> University of Michigan	2015 Fall Semester

Graduate Student Instructor

<i>Biophysical Chemistry, CHEM453</i> University of Michigan	2016 Fall Semester
<i>Physical Chemistry, CHEM260</i> University of Michigan	2016 Winter Semester
<i>Physical Chemistry, CHEM260</i> University of Michigan	2015 Fall Semester
<i>Physical Chemistry, CHEM260</i> University of Michigan	2015 Winter Semester
<i>Physical Chemistry for Pre-Health, CHEM230</i> University of Michigan	2014 Fall Semester

Teaching Assistant

<i>General Chemistry Laboratory I and II</i> Washington University in St. Louis	2013-2014
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CLUBS AND OUTREACH

Scientific Computing Club
University of Michigan

2014-2016

Science Olympiad Coach - Computer Science
Angell Elementary, Washtenaw County

2016

CODING AND HIGH PERFORMANCE COMPUTING

Python
Fortran
C++
Mathematica
HTML/CSS/JQuery

MENTORSHIP

Rephael Berkooz

High School Student

ACADEMIC SERVICES

Symposium on Chemical Physics 2016
International Society of Theoretical Chemical Physics 2016
Midwest Physical Chemistry Conference 2016
Chemical Sciences at the Interface of Education — University of Michigan Symposium 2015
Midwest Physical Chemistry Conference 2015
Karle Symposium (**Presented Chem Ed and Physical Chemistry Poster**) 2015

REFERENCES

Dr. Dominika Zgid
University of Michigan
Department of Chemistry

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Prof. Eitan Geva
University of Michigan
Department of Chemistry

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