resume\_4@gmail.com  
(331)-128-0372  
 TUTOR  
Williston VT - Email me on Indeed: indeed.com/r/Alec-Schwartz/7177c11327372c0a  
WORK EXPERIENCE  
Tutor  
Dickinson College Biology Department - Carlisle PA - March 2016 to May 2016  
I was invited to tutor three students enrolled in Biology 120: Life at the Extremes. I helped them learn as independently as possible while still acting as a mentor and guide.  
Teaching Assistant  
Dickinson College Biology Department - Carlisle PA - January 2016 to May 2016  
Taught by Professor Scott Boback this comparative physiology course explored how extremophiles are capable of surviving and maintaining  
homeostasis in harsh environments. I helped students perform hypothesis-driven physiology experiments and vertebrate dissections.  
QA/QC Laboratory Coordinator  
Alliance for Aquatic Resource Monitoring (ALLARM) - Carlisle PA - August 2015 to May 2016  
ALLARM a small NGO housed at Dickinson college engages communities to use science as a tool to investigate the health of their streams. I helped  
mentor organizations to teach them to use the data they generate for aquatic protection and restoration efforts. I mainly worked in the lab performing  
chemical tests for quality assurance verification. I also currently research and test equipment to verify precision accuracy and accessibility for citizen  
scientists as well as conducting bimonthly baseline analysis of our local Retort Spring Run.  
First-Year Mentor Wilderness Introduction to Life at Dickinson (WILD) Leader  
Campus Life at Dickinson College - Carlisle PA - August 2013 to May 2016  
The First-Year Mentor program provides an opportunity for upper-level students to help new students experience a positive transition to college. I met with my First-Year Interest Group weekly to check in on their personal social and intellectual development at Dickinson. Last Fall I led a 3-day  
backpacking trip through a section of the Delaware Water Gap during orientation. After one of my first-year's suddenly passed away in the Fall '15 I co- led a partnership between Dickinson and our local YMCA's Safety Around Water Program to provide help during outreach enrollment and swim lessons. It has given our community a meaningful way to commemorate the life of Jigme Nidup.  
Customer Experience Intern  
NaviNet - Boston MA - June 2015 to August 2015  
NaviNet is America's leading healthcare collaboration network connecting over 40 health plans and 60% of the nation's physicians. I worked as a  
Customer Experience Intern drafting user-experience reports and presentations for NaviNet and health insurance plans to showcase how health providers were using different software products.  
Student Researcher  
Dickinson College Chemistry Department - Carlisle PA - March 2015 to May 2015  
   
Professor Mike Holden's interests are in the area of organotransitionmetal-mediated synthesis of organic compounds. In his lab I worked to synthesize  
known biologically active compounds with the incorporation of ferrocene (an iron compound) to potentially boost efficacy of antimalarials.  
Student Researcher  
Ben-Gurion University of the Negev Jacob Blaustein Institute for Desert Research - Midreshet Israel - November 2014 to January 2015  
Species adapted to fasting sequentially oxidize fuels in three discrete phases. Professor Berry Pinshow's lab is exploring the physiological  
responses to food deprivation in House and Spanish sparrows (birds not adapted to prolonged fasting). For two months I helped prepare dietary isotopic tracers run 32 hour-long experiments requiring hourly measurements for stable isotope signatures in real-time using a 13C-infrared analyzer (HeliFANplus) and interpret collected data using repeated measures (RM)-ANOVA.  
Paper: Khalilieh A McCue MD Pinshow B. Physiological responses to food deprivation in the house sparrow a species not adapted to prolonged fasting. Am J Physiol Regul Integr Comp Physiol. 303: R551-R561 2012.  
EDUCATION  
BS in Biochemistry and Molecular Biology  
Dickinson College - Carlisle PA 2012 to 2016  
SKILLS  
NMR LCMS HPLC qPCR Gel Electrophoresis Western Blot Transfection various microscopy techniques (DIC Phase Contrast Brightfield Darkfield Fluorescent) recombinant DNA Plasmid Cloning Pymol CRISPR Cas9  
LINKS http://blogs.dickinson.edu/writingsciencenewssp14/author/schwaral  
AWARDS  
Cum Laude for BS in Biochemistry and Molecular Biology  
May 2016  
Maintained an overall GPA of >3.50 throughout my time at Dickinson College.