

ANDY CHEN

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EDUCATION

Georgia Institute of Technology – Atlanta, GA August 2014 – Present
Chemical and Biomolecular Engineering, Bachelor of Science Candidate
Nuclear and Radiological Engineering, Minor Candidate Projected Graduation: May 2018
Music Performance, Minor Candidate **GPA: 3.82**
❖ Georgia Tech Faculty Honors (Summer 2015 – Present)
❖ Georgia Tech Dean's List (Fall 2014 – Spring 2015)
Courses: Thermodynamics, Transport Processes, Organic Chemistry, Classical Mechanics, Electricity & Magnetism

SKILLS

Instrumentation: NMR Spectroscopy, High Performance Liquid Chromatography, Viscometry
Lab Skills: PCR Synthesis, Agarose Gel Electrophoresis, Blotting, PADI Open Water Scuba Diving
Languages: Mandarin Chinese, Basic French, Java, JavaScript, Python, MATLAB, HTML
Software: Microsoft Office Suite, Adobe Photoshop, ASPEN Plus

PROFESSIONAL EXPERIENCE

Parker H. Petit Institute for Bioengineering and Bioscience – Atlanta, GA January 2015 – Present
Undergraduate Research, Dr. Mark Prausnitz – Ionic Liquids for Drug Delivery
❖ Synthesized ionic liquids that incorporate active components of pharmaceutical drugs
❖ Prepared apparatuses to measure skin permeability of ionic liquids and their aqueous alternatives
❖ Analyzed experimental data with statistical methods
❖ Conducted *in vivo* experiments to test efficacy and safety for pharmaceutical applications
❖ Received President's Undergraduate Research Award to fund Synthesis and Topical Drug Delivery of Ionic Liquids: Terbinafine and Other Antifungal Drugs Project

Desert Vista Biotechnology Lab – Phoenix, AZ January 2013 – May 2013
Internship, Birgit Musheno
❖ Published a partial GAPC gene sequence of *Origanum vulgare* on GenBank database
❖ Trained in FinchTV, biotechnology equipment, plasmid manipulation, and cell cultivation
❖ Performed research on nucleotide analysis to produce accurate gene sequences

LEADERSHIP EXPERIENCE

Georgia Tech Yellow Jacket Archery Club – Atlanta, GA April 2015 – Present
Secretary
❖ Managed membership, minutes and record, attendance, and public announcements
❖ Organized club social, recruitment, and advertising initiatives
❖ Facilitated efficient communication between officers and club members

Georgia Tech China Care Club – Atlanta, GA January 2015 – Present
Co-Fundraising Coordinator, Historian
❖ Aided Treasurer in applying for funding from Georgia Tech's Student Government Association
❖ Organized events and communicated with other committee members to maintain fluidity of activities
❖ Kept records of club events and activities on social media to spread club awareness into Atlanta community

HONORS AND ACTIVITIES

Georgia Tech Chinese Student Association	2015 – Present
American Institute of Chemical Engineers	2014 – Present
Georgia Tech Table Tennis Association	2014 – Present
US National Chemistry Olympiad	2014
Placed 1 st in Phoenix Youth Symphony Young Musicians Concerto Competition	2014
Senior Brass/Percussion Division	
Marching Band ABODA Division 1 State Champions	2010 – 2013