

ANDY CHEN

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OBJECTIVE

Seeking an Internship in the field of Nuclear Engineering for Summer 2016

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 1st in Phoenix Youth Symphony Young Musicians Concerto Competition 2014

Senior Brass/Percussion Division