

# ANDY CHEN

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## OBJECTIVE

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

## EDUCATION

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**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

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*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

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**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

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**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

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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<sup>st</sup> in Phoenix Youth Symphony Young Musicians Concerto Competition 2014

Senior Brass/Percussion Division