**Andy Chen**

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**Education**

Georgia Institute of Technology, Atlanta, GA

August 2014 – Present

Chemical and Biomolecular Engineering Bachelor of Science Candidate

GPA: 3.60

Projected Graduation: May 2018

Desert Vista High School, Phoenix, AZ

August 2010 – May 2014

GPA: 3.83

**Professional Experience**

Parker H. Petit Institute for Bioengineering and Bioscience, Atlanta, GA

January 2015 – Present

Undergraduate Research

* Synthesized ionic liquids that incorporate active components of pharmaceutical drugs
* Prepared apparatuses to measure skin permeability of ionic liquids and their aqueous alternatives

Desert Vista Biotechnology Lab, Phoenix, AZ

January 2013 – May 2013

Internship

* 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
* Certified in Bioscience Completion by Arizona Skill Standards Commission

Desert Vista High School, Phoenix, AZ

August 2010 – March 2014

Mathematics Tutor

* Tutored 1 hour per week, mentoring in trigonometry, algebra, probability, and statistics

Arizona Hope Chinese School, Mesa, AZ

August 2006 – May 2014

Volunteer

* Assisted teachers with in-class presentations and quiz grading
* Unpacked, organized, and took inventory of all textbooks each semester

**Leadership Experience**

China Care Club, Atlanta, GA

January 2015 – Present

Co-Fundraising Coordinator

* 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

Desert Vista Thunder Marching Band, Phoenix, AZ

August 2012 – May 2014

* Led the band as Drum Major in football events, Phoenix Easter parades, and competitive performances
* Planned future band events and activities with other committee members and band director
* Mentored students in musical execution and technique

**Honors and Activities**

National Honor Society and Rho Kappa Social Studies Honor Society

US National Chemistry Olympiad

2014

2014

AP Scholar with Distinction and National Merit Scholarship Commended Student

2014

Placed 1st in Phoenix Youth Symphony Young Musicians Concerto Competition Senior Brass/Percussion Division

2014

Marching Band ABODA Division 1 State Champions

Qualified for American Invitational Mathematics Examination

2010 – 2013

2013

**Skills**

* Microsoft Office Suite, Adobe Photoshop, Logger Pro, AutoCAD
* Fluent in Mandarin Chinese, basic French
* Java, JavaScript, Python, MATLAB, HTML