

# KYLE GU

kylegu88@yahoo.com

12002 Chisel Ridge • Pearland, TX 77584 • (346) 772-9922

## EDUCATION

---

<b>The University of Texas at Austin</b>	Bachelor of Science and Arts, Biology Minor/Certificate: Business, Pre-Health Professions Overall GPA: 3.95	May 2021
--	---	----------

## EXPERIENCE

---

<b>MD Anderson Cancer Center – Research Intern; Houston, TX</b>	June 2020 – August 2020
---	-------------------------

- Mentored by Dr. Guojun Li in the Department of Head and Neck Surgery
- Learned study design and statistical analysis of cancer association studies of genetic variants and cancer risk and outcomes through remote training

---

<b>MD Anderson Cancer Center – Research Intern; Houston, TX</b>	June 2019 – August 2019
---	-------------------------

- Mentored by Dr. Guang Peng in the Department of Clinical Cancer Prevention
- Participated in research projects that test new inhibitors of DNA repair system and the combined therapy of PARP inhibitors and immunotherapy for breast cancer in preclinical models
- Assisted in in vitro assays including cell culture, cell proliferation assays, and Western blot.
- Assisted in in vivo experiments of mice models including measuring tumor sizes, euthanize mice and collect tumor and lung.

---

<b>MD Anderson Cancer Center – Research Intern; Houston, TX</b>	May 2018 – August 2018
---	------------------------

- Mentored by Dr. Guojun Li in the Department of Head and Neck Surgery
- Extracted DNA and RNA from FFPE slides and blood samples
- Performed PCR and gel electrophoresis to determine the HPV status of patients with head and neck cancers

---

<b>Ascension Seton Medical Center – Volunteer; Austin, TX</b>	September 2019 – May 2020
---	---------------------------

- Assisted physicians and nurses in restocking supplies in patient rooms and carts and cleaning patient rooms
- Received patients and families, offered emotional support, and directed them to designated rooms for treatment
- Received and transferred phone calls between various hospital departments and rooms to enable smooth communications for patient protocol and needs

---

<b>Children's Association for Maximum Potential (CAMP) – Counselor; Center Point, TX</b>	June of 2014 – 2017
--	---------------------

- Facilitated children with severe disabilities (e.g., Autism Spectrum Disorder, Intellectual Disability, Down syndrome, and Cerebral Palsy) in performing daily living tasks for four consecutive summers
- Coordinated recreational activities and team sports for CAMPers to foster a sense of belonging
- Evaluated personal performance with the staff and addressed the improvements needed for upcoming sessions

## ACADEMIC PROJECTS

---

<b>PSY 357 Research – A behavior study in twins to analyze genetic and hormonal influence in decision-making</b>	Spring 2019
--	-------------

- Recruited twins to participate in the study each weekend by contacting parents and obtaining consent
- Administered WASI (Wechsler Abbreviated Scale of Intelligence) testing, assessed zygosity status, and collected specimens
- Compiled WASI test scores, zygosity readings, and observations into REDCap database for further analysis

## PUBLICATIONS

1. Zhang Y, Sturgis EM, Wei P, Liu H, Wang Z, Ma Y, Liu C, **Gu KJ**, Wei Q, Li G. A genetic variant within MDM4 3'UTR miRNA binding site is associated with HPV16-positive tumors and survival of oropharyngeal cancer. *Molecular Carcinogenesis* 2019;58(12):2276-2285.

## LEADERSHIP EXPERIENCE AND ACTIVITIES

---

<b>Chinese Students Association – Family Head (Fall 2019 – Present)</b>	Fall 2018 – Present
---	---------------------

- Coordinated weekly events for a family of 20+ members to interact via cultural, social, and volunteer activities
- Promoted CSA as a hospitable organization to potential newcomers across campus via social media and active recruiting

- Engaged in campus-wide events consisting of multicultural organizations to broaden the appeal of Chinese culture

**American Medical Student Association - Active Member**

Fall 2017 – Present

- Promoted AMSA to potential new members by giving brief synopsis of the organization to students at tabling events
- Cooked and distributed bimonthly home-cooked meals to All Saints' Episcopal Church and its surrounding communities
- Packaged condoms for distribution around LGBTQ neighborhoods in Austin to promote safe sex
- Supervised and participated in recreational sports with adolescents staying at Austin State Hospital

**Biomedical Outreach and Leadership Training – Volunteer**

Fall 2017 – Spring 2018

- Educated elementary school children from low-income neighborhoods in Austin about fundamental science and math
- Assisted elementary school teachers by offering input during instructional time and monitoring children's behavior

**HONORS**

---

- |                                     |                           |
|-------------------------------------|---------------------------|
| • University Honors                 | Fall 2017 – Spring 2020   |
| • Natural Sciences Honors           | Fall 2017 – Spring 2020   |
| • All-State Musician for Piano Solo | Spring 2015 – Spring 2016 |

**ADDITIONAL INFORMATION**

---

**Computer Skills:** MS Word, Excel, PowerPoint, LoggerPro, R & RStudio

**Languages:** Fluent in Mandarin Chinese, Conversational in Spanish

**Interests:** Social Dancing, Basketball, Ultimate Frisbee, Piano, Hip Hop