

# YOUHYUN 'LISA' KANG

yhkang@utexas.edu | 817-707-0503 | linkedin.com/in/lisayhkang

---

## EDUCATION

**UNIVERSITY OF TEXAS AT AUSTIN** • Austin, TX

May 2021

Bachelor of Science in Mathematics with Specialization in Statistics, Data Analysis, and Probability

Bachelor of Arts in Economics | Business Foundations Certification

**Relevant Coursework:** Applied Statistics, Mathematical Statistics, Economic Statistics, Elements of Computers and Programming

## SKILLS & TECHNOLOGY

Proficient in R, MS Excel | Familiar with Python | Exposure to SQL

Bilingual in Korean and English

---

## EXPERIENCE

**IC<sup>2</sup> INSTITUTE** • Austin, TX

June 2020 – July 2020

*Research Assistant (Regional Economic Recovery Team)*

- Researched and gathered data about the City of Cameron and suggested possible methods to improve the city's economics and relieve economic pressure resulting from limitations caused by COVID-19 breakout; analyzed collected data in comparison to the entire Central Texas region using Excel and compiled the results into a presentation format

**SWEETCHARM COMPANY** • Grapevine, TX

Jan 2017 – Present

*Operations Manager*

- Increased operational revenue by more than 33% by analyzing popular trends amongst children and adding new products to the menu (based on the analysis) to differentiate business from similar businesses in the field
- Implemented aggressive business marketing tools; started the online store using Square and initiated the use of social media for company-owned donut shop to promote business online

**UNITED STATES ARMY RESERVE** • Austin, TX | Pyeongtaek, South Korea

June 2016 – Present

*Korean Linguist / Translator*

- Translated various written and verbal information from English to Korean and vice versa to support US/ROK joint mission; Adapted translations to army's technical terms, collaborating with Korean army translators as necessary

*Tactical Power Generation Specialist*

- Unit's sole power generator mechanic; performed maintenance on power-generation equipment and associated equipment in mobile and stationary power plants to maintain power supplies in mission ready condition
- Led a class of 22-soldier class during Army job training; served as communication medium between instructors and soldiers

---

## PROJECTS

### Effectiveness of Stents

- Independent research paper that involved conducting hypothesis testing using R; measured the effectiveness of stents on patients at risk of stroke by comparing experiment group's data to control group's data. Extracted data from Excel to R.

### Chuck-a-luck Simulations

- Created a code in R that runs simulations of 100 chuck-a-luck games (representing gamblers) and returns the average number of games played by those who went bankrupt, those who won, and everyone who played.

---

## HONORS & LEADERSHIP ACTIVITIES

**Freetail Hackers** • Austin, TX

Feb 2020 – Present

*Corporate Organizer*

- Secured sponsorships for HackTX, the biggest hackathon at UT, by reaching out to companies and effectively advertising the event; managed relationships between organization and the companies

### Finalist - IC<sup>2</sup> Institute Economic Development Student Challenge 2020

- Constructed a detailed economic development plan for the community of La Grange that may help the city thrive economically while maintaining unique community identities.