Doyeon Kim

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EDUCATION

Texas A&M University, College Station, TX *May 2019*
Bachelor of Science in Applied Mathematics GPR: 3.27
Minors: Art and Statistics

EXPERIENCE

Texas A&M Astronomical Instrumentation Lab, College Station, TX *December 2016–Present*
Student Technician, Webmaster, Graphic Designer
- Record and analyze data for total reflectance measurements on various black and white materials
- Present a research poster at Texas Astronomy Undergraduate Research Symposium
- Design the official instrumentation lab banner and poster templates for local and national presentations
- Create the posters and organize the astronomy demos for the Texas A&M Physics & Engineering Festival

Chinese and Korean After-School Program, Rock Prairie Elementary School *September 2018–December 2018*
Korean Language Teacher
- Created lesson plans and materials and taught lessons for 2nd and 3rd grades
- Individualized instruction for diverse students, and ensured student mastery of language skills
- Developed and delivered content, administered benchmarks, organized instructional materials, and tracked student progress
- Built meaningful relationships and networks with students, parents, colleagues, and other school stakeholders

Department of Mathematics, Texas A&M University *January 2018–May 2018*
Grader
- Utilized discernment to assess quality of work and methodologies on differential equations
- Analyzed student patterns of approaching problems and found new ways to reach the solutions

Pagoda, Seoul, South Korea *July 2016*
Teachers' Assistant
- Supervised 65 students in a professional classroom environment
- Conducted Chinese help sessions (listening, speaking, reading, writing) 10 hours per week

Interprep, Seoul, South Korea *June 2016*
Teachers' Assistant
- Conducted college preparatory (SAT and ACT) help sessions 15 hours per week to help students achieve academic goals
- Supervised 500 students in all programs, honor classes, and boarding school programs, such as checking attendance, preparing for the class materials, and advising

ACTIVITIES

Star Parties, College Station/Downtown Bryan, TX *Fall 2016–Present*
Coordinator, Graphic Designer
- Assist over 1,000 people each year to see the movement of systems in the night sky through the set up of 3-4 telescopes
- Advertise special astronomical events to promote the 2017 Partial Solar Eclipse Viewing Event as well as the regular year around star parties
- Design the official thumbnail for the advertisement and posters for the events

Aggie Analytics Club, Texas A&M University *January 2018–Present*
Member
- Provide training in basic technical skills such as R, Python, SAS, and Tableau to better prepare students for analytics in the business environment
- Bring blue chip firms to campus to recruit club members and provide top analytics talent

The Korean-American Scientists & Engineers Association (KSEA), Texas A&M University   *January 2018–Present*
Member
- Promote camaraderie among Korean and Korean-American students in science, engineering, and related fields
- Foster relationships with international leaders to strengthen ties between American and Korean representatives

StageCenter Community Theatre, Bryan, TX   *August 2017*
Actress
- Played the role of Midge Paine in the melodrama *For Her Che-ild's Sake* and interacted with the audience using adlibs
- Nominated for the Best Supporting Actress by Stage Center's 2017 Audience Choice Awards

10th Annual TAMU Integral Bee, Texas A&M University   *March 2016*
Semi-finalist
- Competed in an integrals computation contest (Calculus II level)

Texas A&M Women's Chorus, Texas A&M University   *Fall 2015–Spring 2015*
Member
- Performed concerts locally as well as on tour with an audience of around 2,500 people
- Managed scheduling for fundraising events and participated in philanthropic events

CONFERENCES, PUBLICATIONS, & PRESENTATION
- Attended 2018 STARTALK Fall Conference, Houston, TX as a teacher

- "Characterization of the reflectivity of various black materials II", 2018, Proc. The International Society for Optics and Photonics, 10706–195

- "Characterization of the reflectivity of various white materials", 2018, Proc. The International Society for Optics and Photonics, 10706–196

- "Development of TCal: a mobile spectrophotometric calibration unit for astronomical imaging systems", 2018, Proc. The International Society for Optics and Photonics, 10702–119

- Kim, Doyeon (2017). "Total Reflectance of Black and White Materials." Poster presented at The 2017 Undergraduate Research Summer Poster Session at Texas A&M University

- Kim, Doyeon (2017). "Total Reflectance of Black and White Materials" and "Mitchell Institute Star Party." Powerpoint presented at 2017 Texas A&M Astrosymposium at Texas A&M University

- Kim, Doyeon (2017). "Reflectance of Black and White Materials." Powerpoint presented at 2017 Texas Astronomy Undergraduate Research Symposium at Rice University

- "Four Seasons in Under the Great Wave Off Kanagawa" Artwork presented at 2016 Viz-a-GoGo at Downtown Bryan, TX

SKILLS & TALENTS
Software Skills: Adobe Design Suite, Houdini, Autodesk (Maya), Microsoft Office Suite
Programing: Python, C++, R, HTML, Latex
Languages: Korean, English, Chinese (with translation experience), Latin
New HSK (Chinese Proficiency Test) Level 5, Score: 265/300
- Engage Chinese daily life, understand culture and appreciate media coverage in the Chinese language

HONORS & AWARDS
- **Pi Mu Epsilon (National Math Honor Society)**   *Fall 2018*
- **Dean's Honor Roll, College of Science**   *Spring 2017*
- **Texas Aggie Grant**   *Fall 2018–Spring2019*
- **TX Public Education Grant-Res**   *Fall 2017–Spring2019*
- **CLSC UG DT Scholarship**   *Fall 2017–Spring 2018*
- **Texas Aggie Scholarship**   *Fall 2017–Spring 2018*