

Yeseul Heo

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EDUCATION

Georgia Institute of Technology

Expected Graduation: May 2020

- Bachelor of Science in Neuroscience and International Affairs, GPA: 3.90/4.00
- Minor: Psychology / Concentration: Business
- Dean's List: 2016-2019, Distinction of Faculty Honors: 2017-2019
- Exchange student at National University of Singapore in 2017
- EU scholar for international affairs and economic, political issues in 2016

Atlanta, GA

SKILLS

Programming: Python, MATLAB, SPSS, R, HTML, Java, VBA

Technical: Adobe Photoshop/Premiere Pro/After Effects, AWS, Tableau, MS Office, CAD, Windows, Linux, macOS

Concepts: Machine learning (Tensorflow), object-oriented programming, linear algebra, statistical analysis, cloud computing

Language: Korean (native; 10 years in Korea), Spanish (fluent; 5 years in Mexico), English (native; 7 years in U.S.)

Interests: Backpacking, social entrepreneurship, TED talks, human rights, diversity, classical films

EXPERIENCE

Mercedes-Benz USA, Data Science Intern – IT Innovation Hub

Summer 2019

- Developed a backend for Proof of Technology (PoT) by using Google Cloud video intelligence API and G-sensor readings to detect/classify objects and physical impacts recorded on Mercedes-Benz A-Class dashcam hardware
- Provided statistical insights for customer discovery and solution formation to test assumptions and minimize bias
- Constructed ML neural networks to sort uncategorized tickets in MBUSA Customer Assistance Center
- Worked with MBUSA IT Infrastructure cloud team to initiate migration of on-prem operations to AWS

Sandy Springs,
Georgia

Cognitive Engineering Center at GT School of Aerospace Engineering, Research Assistant

2018-2019

- Designed a validation experiment for NASA to maximize human-robot interaction in outer-space environment
- Used Python, MATLAB, and SPSS to perform statistical analysis and test teamwork efficiency

Atlanta,
Georgia

Cognitive Neuroscience at Tech Research Laboratory, Research Assistant

2017-Present

- Conducted fMRI & behavioral testing to investigate mechanisms of attention and cognitive control
- Used E-Prime to design experiments; used MATLAB/Python for visual models and performing statistical analysis
- Presented in multiple poster sessions regarding switch effect in reaction time and congruency effect in accuracy
- In process of finalizing research thesis on dual-task interference for publication

Atlanta,
Georgia

AMAC – Accessibility Solutions and Research Center, E-Text Production Assistant

2016-2018

- Transformed electronic textbook files to braille-related objects for use by readers with vision impairment
- Used Python to create MS Developer macros to automate data mining, data cleaning, and extraction

Atlanta,
Georgia

LEADERSHIP

Grand Challenges Scholar; Co-President, Co-Founder of Nonstop Workshop

2016-2018

- Aimed to design affordable science experiment kits in under-resourced after-school programs in Atlanta
- Researched select Boys and Girls Club locations to understand current limitations in public STEM education

Atlanta, GA

Circle K International, Georgia District Membership Development & Education Chair

2016-Present

- Created informational resources for 18 clubs in Georgia for membership recruitment and club promotion
- Hosted leadership, recruitment, and teamwork workshops for district and state conventions

Atlanta, GA

Best Buddies International, Georgia Tech VP of Membership Education

2016-2019

- Organized events to promote mentorship in young adults with intellectual or developmental disabilities in Atlanta
- Contacted local nonprofit organizations such as Special Olympics of Georgia for involvement opportunities

Atlanta, GA

The Rose International Fund for Children, Website Developer

2012-2015

- Used HTML, Java, Adobe Photoshop to update and troubleshoot website; maintained large database of donors

Atlanta, GA