Remi Choi

CONTACT	**Email:** tec63@pitt.edu	**Website:** www.remichoi.com

EDUCATION

University of Pittsburgh **August 2021 - Present**
Ph.D. in Computer Science
Advisor: Dr. Malihe Alikhani

University of Maryland, College Park **August 2017 - May 2020**
B.S. in Computer Science

Relevant Coursework: Machine learning, Data science, Introductory neuroscience, Memory and cognition, Natural language processing, Artificial intelligence, Human-computer interaction

RESEARCH

University of Pittsburgh
Graduate Research Assistant **August 2021 - Present**
- Supervised by **Dr. Malihe Alikhani**
- Studying multimodal cues of uncertainty in children performing a math-related numerical discrimination task. Also studying the effects of emotional affect on turn-taking behaviors in human-human dialogue to enable a more emotionally-aware turn-taking model. Assisted on projects related to ethics in natural language processing and discourse analysis.

University of Maryland, College Park
Research Assistant **August 2019 - May 2020**
- Supervised by **Dr. Santiago Morales & Dr. Nathan Fox**
- Implemented SVC, neural network, and KNN as one-vs-all estimators on EMG data to classify facial expressions with 89% accuracy. Poster presented at UMD Undergraduate Research Day.

INDUSTRY

Chartmetric
Data Scientist **December 2020 - June 2021**
- Developed algorithm to compute artist popularity index that encapsulates cross-platform performance. Translated Python+SQL based logic into pure SQL to leverage data warehouse distributed computing capability, resulting in 11.2x performance improvement.

Data Science Intern **June 2020 - August 2020**
- Derived artists' country from music genre tags and Spotify listener data, increasing artist country data coverage by 300,000+ artists. Implemented an anomaly detection class for artist performance. Created a pipeline to detect bad data using K-means clustering.

TEACHING

University of Pittsburgh
Graduate Teaching Assistant **August 2021 - Present**
- Prepared discussion questions and created assignments for *Bias and Ethical Implications in AI*. Led recitations for *Algorithms and Data Structures II* in the form of review lectures and algorithm live-coding/reverse-engineering sessions. Graded homeworks, quizzes, projects, and exams for *Intro to Human-Computer Interaction*.

University of Maryland
Undergraduate Teaching Assistant **January 2020 - May 2020**
- Graded and handled regrade requests on homeworks, projects, and exams for 291 students in Intro to Data Science.
- Clarified concepts and taught foundational statistics to students in weekly office hours.

Iribe Initiative for Inclusion & Diversity in Computing **Jan 2019 - May 2020**
- Offered 1-on-1 tutoring and led weekly group study sessions for junior level computer science courses.

HONORS

Program for the Exceptionally Gifted
A gateway program that provides qualified students from ages 13 to 16 early entrance to college.
Malone Scholar
Full merit-based scholarship awarded to one student per incoming class. Must maintain 3.75+ GPA.

SKILLS

PyTorch, Git, Markdown, Python, Scikit-learn, NLTK