JEESOO KIM.

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EDUCATION.

Johns Hopkins University '19 **Baltimore, MD**
B.S. in Computer Science/Biomedical Engineering | GPA: 3.59

WORK EXPERIENCE.

Computational Biology Researcher > *JHU Institute of Cell Engineering: Cahan Lab* **June 2016 - Present**
> Collected human RNA-seq data from mass online database GEO, and analyzed data through CellNet pipeline
> Debugged and edited CellNet platform to tailor to human data processing—branch pulled to master on GitHub
> Learning to improve CellNet's processing efficiency of existing human RNA-seq data

Android/iOS App Developer: Speech Banana Team **May 2016 - Present**
> Developing Android version of Speech Banana—an application built to help deaf individuals with cochlear implants improve communications skills at home, through chapter series of clinically proven listening exercises
> Learning to maintain current iOS version

Data Analyst > *JHU Biomolecular Materials & Membrane Biophysics Lab* **May 2016 - Present**
> Analyzed thousands of cell FRET scans through MATLAB program to determine fluoresence concentration differences over various cell membrane receptor mutations
> Created figures and graphs for publications based on analyzed data

PROJECTS.

Personal Website Development **September 2016 - Present**
> Self-taught HTML/CSS/JQuery/JS to create personal website from scratch
> All illustrations are original, made through Photoshop and Illustrator

Urban Help Project: PennApps XIV **September 2016**
> Implemented Google Maps API to return map clicks as location coordinates for crowdsourced data collection
> Front-end development using HTML and CSS in order to create functional user interface

Lunar Lander Game: Python Project **May 2016**
> Gravity-based arcade game recreated using Python only, implemented Pygame

EXTRACURRICULARS.

JHU Product Development Team: Tremtex **February 2016 – Present**
> In-home tDCS device development for reducing Parkinson's Disease patients' tremors
> Created prototype iterations using various materials, gave presentations to faculty and judges

Theta Tau Professional Engineering Fraternity *Marketing Chair* **February 2016 – Present**
> Creation of graphics for cover photos, posters, and profile picture designs using Illustrator and Photoshop
> In charge of revamping official website

ACHIEVEMENTS.

JHU Business Plan Competition: Third Place **Spring 2016**
> *Medical Technology Undergraduate Track, awarded for TremTex product presentation*

JHU BME Modeling and Design Presentation: Highest Honors **Fall 2015**
> *Studied the human ability to detect differences in RGB levels and gave presentation to faculty and TAs*

SKILLS.

> *Programming Languages:* Java, Python, MATLAB, HTML/CSS/JQuery/JS
> *Software:* Adobe Photoshop, Adobe Illustrator
> *Languages:* Fluent Korean, proficient German