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YONGTAE (TATE) KIM

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Based on New York City. Available for work from May 20, 2024.

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea **Feb. 2019 – Present**
BS Candidate, Department of Bio and Brain Engineering Major, School of Computing Minor

New York University (NYU), New York, NY **Jan. 2024 – Present**
KAIST-NYU Minor, Chemical and Biomolecular Science in Tandon School of Engineering

RESEARCH EXPERIENCE

Research Intern, **Kiani Lab,** New York, NY **Jan. 2024 – Present**
- Conduct neuroscience research under Professor Roozbeh Kiani's guidance at NYU
- Lead the use of Electrodermal Activity (EDA) equipment to measure human physiological responses
- Analyze neural activity from the thalamus of primates using MATLAB to study decision-making processes

Research Intern, **Laboratory for Computational affective Neuroscience and Development (CNDL),** Daejeon, Korea **Aug. 2023 – Dec. 2023**
- Investigated psychiatric methodologies with Professor Bumseok Jeong at KAIST.
- Engaged deeply with psychiatric research studies and contributed to the design of behavioral experiments

Research Intern, **Laboratory for Neurotechnology and Brain Mapping (NBML),** Daejeon, Korea **Feb. 2021 – June 2021**
- Initiated neurotechnology projects under Professor Young-Gyun Park's leadership at KAIST
- Operated proficiently the organ-scale tissue visualization technique called SHEILD to image mouse brain tissue

INDUSTRY EXPERIENCE

Backend Software Engineer, **Ably Corporation,** Seoul, Korea **Aug. 2022 – July 2021**
- Developed robust server solutions for Ably App, the largest women's fashion platform in Korea
- Enhanced and deployed new features and refactored code using Python and Django

Backend Software Engineer, **Uniquegood Company,** Seoul, Korea **July 2021 – Aug. 2022**
- Architected server infrastructure for Realworld App, the interactive content platform and its creation tools
- Engineered and streamlined feature integration and legacy code using C# and ASP.NET Core framework

AWARDS

- **Grand Award, 2018**: 2017 Science Gifted R&E Academic Conference, Korea Science Academy of KAIST, Korea.
- **Best Overall Poster Presentation in Biology and Environmental Science, 2018:** 1st KVIS Invitational Science Fair, Kamnoetvidya Science Academy, Thailand.

SKILLS

- Usage of EDA measurement equipment from BIOPAC Systems Inc., Transparentizing brain tissue using SHEILD technique, Other biotechnological research methods on a similar level
- MATLAB, Python, C#, Scala, Git, Amazon Web Services, Microsoft Azure
- English (Fluent), Korean (Native)