Woojoo Na

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EDUCATION

2021 - Now   **Tufts University, PhD in Computer Science**
- Dean's Fellowship ($5,000), Full Tuition Scholarship, Graduate Assistantship

2016 - 2019   **University of Oxford, BA(Hons) Mathematics**
- LMH Academic Development Fund (2018) : £250, Undergraduate summer research

2013 - 2015   Korean Minjok Leadership Academy

RELEVANT EXPERIENCE

2020

Sergeant (Fire Direction Operator), Republic of Korea Army (2020 February – 2021 August, 18 months)
- Serving as calculation operator at FDC in the 92nd Field Artillery for my mandatory military service
- Founder of Ballistics research club, devising improvements in artillery calculation via machine learning.

2019

Undergraduate Researcher, University of Oxford (2019 July – 2019 December, 6 months)
- Topic : Cryptography - Trapdoor attacks on Cayley hash function parameters
- Presenter at 17th IMA International Conference on Cryptography and Coding
- Invited by the cryptography lab at the Ewha Womans University to give a talk about the results.

Undergraduate Researcher, University of Oxford (2019 July – 2019 December, 6 months)
- Topic : Artificial Intelligence – Transformer model analysis from Natural Language Processing

2018

Undergraduate Researcher, University of Oxford (2018 June – 2018 October, 4months)
- Topic : Artificial Intelligence - Knowledge base completion for ontology reasoning

Undergraduate Researcher, University of Oxford (2018 June – 2018 October, 4 months)
- Topic : Machine Learning - A deep learning approach to concepts extraction from medical texts
- Participated in the n2c2 challenge on Adverse Drug Events and Medication Extraction in EHRs, writing codes in Python and utilizing various machine learning tools to complete a paper.

Treasurer, Oxford Invariants (Oxford Mathematics Society) (2018 April – 2019 April, 1 Year)
- Elected as Treasurer of Oxford Invariants, the mathematics society of the University of Oxford, with a >£100k annual budget.

2017

Jackson program, Oxford Saïd Finance lab (Oxford, UK) (2017 October – 2018 June, 9 months)
- Selected participant on a 150-hour program offering financial and valuation modeling workshops. Challenges included real-life cases presented by top-tier asset managers and private equity funds.

Project Intern, Sustainable Development of a village project (Mumbai, India 2017 Summer, 2 months)
- Pitched every week focusing on solutions for economic sustainability, general health and water safety.
- Collected market data, initiated flower ornament sales aiming at religious ceremonies, utilizing 20 acres of unused farmland free of charge with the sponsorship of local landowner.

2016-18

Volunteer Teacher, St.Nicholas Primary School (Oxford, UK) (8 months)
- Taught math at St.Nicholas Primary school once a week.

OTHER SKILLS AND INTERESTS

Languages: English-fluent; Korean-native; Spanish-A2 level
IT   :   Proficient in Python, MATLAB, Java, Pytorch, Sage, Excel
Sport   :   University Rowing, Football, Judo, Surf