WOOJOO NA

PhD Candidate at Tufts University, Medford MA

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EDUCATION

Tufts University, *Medford MA*   *September 2021 - Present*
PhD in Computer Science
Dean's Fellowship ($5,000), *Full Tuition Scholarship, Graduate Assistantship* ($30,600)
$[2019 - 2021]$: *Mandatory military service in the Republic of Korea Army*

University of Oxford, *Oxford*   *October 2016 - June 2019*
B.A.(Hons) in Mathematics
LMH Academic Development Fund, Undergraduate summer research

Korean Minjok Leadership Academy   *2013 - 2015*

EXPERIENCE

Research Assistant, Tufts University   *Present*
• Supervisor : Bert Huang

Sergeant, Fire Direction Operator, Republic of Korea Army   *2020 Feb - 2021 August*

Undergraduate Researcher, Oxford Mathematical Institute   *2019 July - 2019 December*
• 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 Ewha Womans University to give a talk on the results

Undergraduate Researcher, University of Oxford   *2019 July - 2019 December*
• Topic : NLP, Transformer model analysis

Undergraduate Researcher, Oxford Mathematical Institute   *2018 Summer*
• Topic : ML, A deep learning approach to concepts extraction from medical texts
• Participated in the n2c2 challenge on Adverse Drug Events and Medication Extraction in EHRs

Undergraduate Researcher, University of Oxford   *2018 Summer*
• Topic : NLP, Knowledge base completion for ontology reasoning

Project Intern, Sustainable Development of a village project   *2017 Summer*
• Pitched every week focusing on economic sustainability and general health of villagers in Wada
• Collected market data, intiated flower ornament sales aimed at religious ceremonies. Borrowed 20 acres of unused farmland free of charge with the sponsorship of local landowner.

LEADERSHIP AND SERVICES

Treasurer, Oxford Invariants (Oxford Mathematics Society)   *2018 April - 2019 April*
Events Officer, Oxford Energy Society   *2018 April - 2019 April*
Mentor, Problem Solving Matters at Oxford   *2018 June - 2018 October*
Volunteer Teacher, St.Nicholas Primary School (Oxford, UK)   *2016-2018*

SKILLS

Programming skills: Python, Matlab, R
Sports: Football, Surfing, Judo, Rowing
Languages: English, Korean