Hyunju Lee

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Research Assistant

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I am currently working as a Research Assistant at the Document Analysis Lab of Digital Analysis Division at the **National Forensic Service** in South Korea. I am developing and researching a program that uses **computer vision** and **machine learning** techniques to analyze and classify data such as stamp images and electronic signatures. I am also writing papers related to my research. I am particularly interested in the **data preprocessing phase for distinguishing genuine and forged images**, and I am focusing on areas such as **segmentation** and **feature extraction**.

EDUCATION

Undergraduate Research Intern in Image Lab, ChungAng University	Jul 2020 - Sep 2020
Advisor: Prof. Byungwoo Hong	
B.S. in Software Engineering, ChungAng University	Mar 2018 - Feb 2023
GPA 4.09/4.50	

EXPERIENCE

Research Assistant / Software Engineer	Feb 2023 - (Now)
NFS, Document Analysis Lab of Digital Analysis Division	
Blockchain Web3 Developer	Jan 2021 - Feb 2023
Blockwave Labs.	

RESEARCH PROJECTS

NFS Stamp Analysis Program	Feb 2023 - Jul 2023
National Forensic Service | OpenCV, wpf	
Vocal Transformation Acoustic Machine Learning Module	Sep 2021 - Dec 2021
CAU Capstone Design	
Hair Removal from Lesion Images Using GAN	Jul 2020 - Aug 2020
CAU Image Lab	

INDUSTRIAL PROJECTS

OPICscript	May 2023 - (now)
An AI website for OPIc exam preparation with generated test responses	
Fooding	Nov 2020 - (now)
ChungAng University Dining Search Site | 50,000+ view	

VR PROJECTS

Grad Escape (Unreal Engine VR Horror Escape Game)	Nov 2021 - Dec 2021
CAU VIrtual Augmented Mixed Reality Lecture	

HONORS AND AWARDS

DeFi (2nd Place) - Invincible EVMOS	Dec 2022
Evmos-Covalent #OneMillionWallets Hackathon / Encode Club	
Cosmos SDK (1st Place)	Jul 2022
HackATOM Seoul 2022 / Krypto Seoul | Multi-wallet dashboard 'MEPE'	
HackATOM Seoul 2022 Critics' Awards - Interchain Award	Jul 2022
HackATOM Seoul 2022 / Krypto Seoul | Multi-wallet dashboard 'MEPE'	
Academic Merit Scholarship	2021-2
ChungAng University	
PropTech in Campus SNU 2021 (3rd Place)	Sep 2021
Korea Prop Tech Forum X SNU Graduate School of Environmental Studies	
PE Presentation Contest (1st Place) - Lesion Image Hair Removal Module	Sep 2020
ChungAng University DaVinci SW/AI TECH FAIR 2020	
Creative Fusion Design Contest (1st Place)	Dec 2019
ChungAng University X Robotics Association	
2019 Best Software Awards (2nd Place)	Nov 2019
ChungAng University DaVinci SW Education Institute	
2019 Public Interest Talent Scholarship Excellence Award (2nd Place)	Nov 2019
Seoul Scholarship Foundation	
2019 SKT NUGU Play Contest Encouragement Award (3rd Place)	Sep 2019
SK Telecom | Voice Mafia Game Host Servive 'Mafia MC'	
Always-On Project Contest Excellence Award (2nd Place)	Nov 2018
ChungAng University | Closet Management Android Application	

LEADERSHIP

Software Collage Ambassador 1st Generation, Media Director	2019
Software Collage, CAU	
CLUG Android Cell Sub-Leader	2019
Software Engineering Academic Club, CAU	
Vice President of the Student Council	Jul 2016 - Jul 2017
MyongJi High School	

SKILLS

Tools and Languages	Python, C/C++/C#, JAVA, Javascript, Tensorflow, OpenCV, SPRING, REACT, web3.js, Unreal Engine, .NET, GO
Communication	Korean, English

VOLUNTEER

Seoul Scholarship Foundation Public Interest Talent Scholarship	Apr 2019 - Nov 2019
Lonely Death Project Volunteer Participation	
2018 PyeongChang Winter Olympics SID Passion Crew	Feb 2018
Gangneung Ice Hockey Center, GHC Sports Information Desk	

ARTICLES