

# YU YEOL (ANDY) LEE

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## EDUCATION

### Carnegie Mellon University

Bachelor of Science in Chemical Engineering (Exchange Student Program)

Pittsburgh, PA

– Fall 2020

Department GPA: 3.63 / 4.00

GPA: 3.49 / 4.00

### Yonsei University

Seoul, Korea

– Fall 2021

Bachelor of Science in Chemical and Biomolecular Engineering

Department GPA: 3.56 / 4.50

• Planned minor in Computer Science

GPA: 3.48 / 4.50

## Relevant Coursework

### Computer Science

CMU: Algorithms and Advanced Data Structures, Artificial Intelligence: Representation and Problem Solving,

Concepts of Mathematics, Principles of Imperative Computation

Yonsei: Engineering Information Processing, Artificial Intelligence, Computer Architecture

### Chemical and Biomolecular Engineering

CMU: Reaction Engineering, Heat and Mass Transfer, Thermodynamics, Fluid Mechanics, Math. Methods for Chem. Eng.

Yonsei: Physical Chemistry, Analytical Chemistry, Environmental Engineering, Chemical Engineering Capstone Design

## WORK EXPERIENCE

### Explosive Management, Army, Sergeant

Cheorwon, Korea

May 2017 – Feb 2019

- Trained in explosive management and combat engineering military specialty (graduated 3<sup>rd</sup> of over 100 trainees)
- Leader of 4 troops for mine removal task team

### Summer Research Assistant (Carnegie Mellon)

Pittsburgh, PA

May 2020 – Aug 2020

- ARPA-E ACED DIFFERENTIATE program (Accelerated Computational Electrochemical systems Discovery)
- Investigate implementation of adsorbate Graph Convolutional Neural Network codes and manage ASE database

## LEADERSHIP

### Intern Team Leader, Business and Marketing Team, Connect Wolf

Summer 2020

- Unpaid summer internship position for wearable baby-tech start-ups
- Conduct a competitive analysis on other baby-tech companies
- Investigate on fund-raising information and organize the data
- Plan strategies for social media marketing and assign posting tasks to team members

### Vice President, Computer Club, Yonsei University

Nov 2016 – May 2017

- Academic computer club in the department
- Teach tools and skills to new members as the team excel leader

### Secretary, Yacht Club, Yonsei University

Nov 2016 – May 2017

- Make and manage the budget for the yacht club in university
- Send out notification and manage contact with current members and old members

## Skills

Programming Skills: Python, Scipy, ASE, PyTorch, C, Java, Selenium, Matlab, LaTeX, Assembly Language, Linux  
Technical Skills: Electrical Wiring, Analytical Chemistry  
Software Tools: Pro/II, COMSOL, Jmol, Cn3D, Linux, Premiere Pro, VEGAS Pro, MS office  
Languages: Korean (native speaker), English (conversationally fluent) (TOEIC Speaking score 200/200)