

Contact

shchae7@postech.ac.kr

www.linkedin.com/in/chaeseunghyun2000 (LinkedIn)

Languages

English (Native or Bilingual)

Korean (Native or Bilingual)

Honors-Awards

Global Leadership Program (GLP)

South Korea Representative for ASC 2018

Seunghyun Chae

Undergraduate Research Fellow - Software Verification Lab at
Pohang University of Science and Technology
Pohang

Summary

Undergraduate student at POSTECH majoring in Computer Science.
Interested in Software Verification and Automated Analysis of Safety-Critical AI Software

Experience

Pohang University of Science and Technology

2 years 6 months

Undergraduate Research Fellow - Software Verification Lab
December 2019 - Present (9 months)

- Supervisor: Prof. Kyungmin Bae (CSE)

1) Winter Semester of 2019 (Dec 2019 ~ Feb 2020)

- Study: Maude, Formal Method, Raft Algorithm

- Topic: Validation of Raft Algorithm using Maude Verification Tool

2) Summer Semester of 2020 (July 2020 ~)

- Study: First-Order Logic, (Lazy) Satisfiability Modulo Theories (SMT),
Abstract Domain

- Topic: Automated Analysis of Safety-Critical AI Software

Undergraduate Student Researcher

May 2020 - Present (4 months)

Student Researcher on the 2020 POSTECH Undergraduate Research
Program (UGRP)

- Advisor: Prof. Geunbae Lee (CSE)

- Topic: Improving Text-to-Speech using Audio Style Transfer

- Study: Tacotron2, WaveNet

- Details: Developing and Implementing methods utilizing Audio Style Transfer
using GAN to improve performance and quality of Text-to-Speech

- Role: Team Leader

Back End Developer

April 2020 - Present (5 months)

Pohang-si, North Gyeongsang, South Korea

Back End Developer for the Postech Application Developer club (Poapper)

- Node.js, MySQL

Student Reporter

March 2018 - March 2020 (2 years 1 month)

Pohang, Gyeongsangbuk-do, Korea

Student Reporter for the school English newspaper, 'The Postech Times'

(Link: <http://times.postech.ac.kr>)

Polaris3D

Research And Development Intern

June 2019 - August 2019 (3 months)

Developing Deep Learning model for out-of-shelf detection using Caffe and Darknet

Education

Pohang University of Science and Technology

Bachelor's degree, Computer Science · (2018 - 2021)