JIN YEOB CHUNG

Github: github.com/jinyup100 | Programming Languages: C++, Python | LinkedIn: linkedin.com/in/jinyup100

EDUCATION

University of Oxford - *MEng. in Engineering Science* — Oxford, UK
- Grade (Expected): First Class Honours — Expected: June 2021
  - *Part A*: Upper Second Class Honours; *Part B*: First Class Honours

Seoul National University - *B.A. in Industrial Engineering* — Seoul, Korea
- GPA : 3.54 / 4.3; Took leave to serve in the military and attend the University of Oxford. — 2014 - 2015

Eton College - *Music Exhibitioner* — Windsor, UK
- A-Level: Mathematics A*; Further Mathematics A*; Physics A; Economics A; — 2009 - 2013

WORK EXPERIENCE

Intel Corporation - *OpenCV Student Developer* — Google Summer of Code
- Integrated the implementation of the SiamRPN++ visual tracker into *OpenCV* 3.4.12. — May - Aug 2020
  - Accomplished by adding support in the *OpenCV*'s ONNX Importer module in C++.

Bloomberg L.P. - *Summer Insight Week Participant* — Central, Hong Kong
- Created a backtesting script in python to assess the performances of various investment strategies including absolute and relative momentum. — Aug - Sep 2018

17th Fighter Wing - *Security Battalion Surveillance Division Researcher* — Cheong-ju, Korea
- Mandatory military service for South Korea, working with researchers from Samsung S-1. — 2015 - 2017
- Conducted research on edge detecting algorithms to recognise number plates using python.

RESEARCH PROJECTS

University of Oxford - *Human and Vehicle Tracking using FMCW Scanning Radar* | **Python** — Oxford, UK
- Supervised by Professor Paul Newman on a master's thesis creating a network that embeds multi-modal information obtained from camera, lidar, and radar for visual tracking. — 2020 - Present

University of Oxford - *System Design for UAVs in Search and Rescue* | **Python** — Oxford, UK
- Supervised by Dr. Jonathan Gammell on a 3rd year project designing on imaging system capable of localising human casualties using SVMs, CNN, and R-CNN. — 2019 - 2020

University of Oxford - *Formal Verification of Neural Networks* | **MATLAB** — Oxford, UK
- Supervised by Professor Pawan Kumar to devise a branch-and-bound optimization framework to generate sufficient bounds on the outputs of a neural network using linear programming. — 2019 - 2020

KAIST - *Addressing the Problem of Video Classification* | **Python** — Daejeon, Korea
- Supervised by Professor Sang Wan Lee conducting a research project on decomposing videos into spatial and temporal features for action recognition using 3-dimensional CNNs. — June - Aug 2019

AWARDS AND HONOURS

Joe Todd Award - *St Edmund Hall College, Oxford* — Oxford, UK
- Funded £2500 by the college for the undergraduate research project on video classification. — June - Aug 2019

British Physics Olympiad - *Eton College* — Windsor, UK
- Awarded Bronze Medal for the British Physics Olympiad ran by the University of Oxford. — 2013

ACTIVITIES

Oxford University Engineering Society - *Treasurer* — Oxford, UK
- Raised a portfolio of £5k by holding successful career events and by inviting speakers. — 2017 - 2018

MISCELLANEOUS

Programming Languages — Proficient in C++, Python and MATLAB
Hobbies — Piano (ABRSM Grade 8), Athletics (Long Jump)