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|  | CHAO LI  chaoli2@andrew.cmu.edu +1 412-708-8343 | |  |
| EDUCATION | | **CARNEGIE MELLON UNIVERSITY, PITTSBURGH, PA MAY 2022**  Bachelor of Science in Electrical and Computer Engineering  Overall GPA: 4.00/4.00 | |
| KEY SKILLS | | **Specialization Interests: Computer Vision, Machine Learning, Sensor Fusion**  **Programming Languages:** Python, C, Java, HTML, CSS, JavaScript  **Software:** Git, MS Office, Mumax3  **Spoken Languages:** English, Mandarin (Chinese) | |
| **WORK EXPERIENCE** | | **SINGAPORE ARMED FORCES (CORPORAL) JAN 2017 – NOV 2018**   * Data analysis of military cadets’ fitness for specialized training * Categorized military leaders to vocational camps based on performance   **NATIONAL UNIVERSITY OF SINGAPORE JAN-APR 2019**  **(PROF. BT THOMAS YEO)**   * Compared accuracy of classical machine learning techniques (Support Vector Regression, Kernel Ridge Regression, Elastic Net CV) * Analyzed relationship between MRI data scans and fluid intelligence   **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH APR-AUG 2019**  **(DR. ANJAN SOUMYANARAYANAN)**   * Ran micromagnetic simulations on nanofabricated synthetic antiferromagnets * Compared simulation results with actual MFM and AFM microscopy observations * Image Processing of simulations and experimental results * Improved software connection between local computer and remote GPUs   **CARNEGIE MELLON UNIVERSITY SEP 2019 -**  **(PROF. NANCY POLLARD)**   * Implemented fast feedback April Tag detector for soft robotic hand manipulations * Evaluated sensors for sensor fusion applications in soft robotic hands * Implemented fast reconfigurable soft hand detection with computer vision and sensor fusion | |
| **PROJECTS** | | **SHOPEE NATIONAL DATA SCIENCE COMPETITION FEB 2019**   * Implemented neural networks for text and image classification of products   **KAGGLE PNEUMONIA DATASETS APR 2019**   * Implemented neural networks for pneumonia prediction from X-ray images   **112 HACKATHON NOV 2019**   * Object Detection of colored object for a custom flappy bird gameplay   **COMPUTER SCIENCE INTRODUCTORY CLASS FINAL TERM PROJECT DEC 2019**   * Object Detection of April Tag for racing game * Implemented Image Filtering of Input Images for custom gameplay * Nominated for final projects showcase | |