Chi-Jui (Jerry) Ho

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EDUCATION

University of California San Diego (UCSD)   **San Diego, USA**
Ph.D. in Electrical and Computer Engineering   *Sep. 2020 -*
GPA: 4.00/4.00

National Taiwan University (NTU)   **Taipei, Taiwan**
B.S. in Electrical Engineering   *Sep. 2015 - Jun. 2019*
GPA: 3.88/4.30

PUBLICATIONS

- C.-J. Ho, Y. Wang, J. Zhang, T. Nguyen, and C. An, "A Convolutional Neural Network Pipeline for Multi-Temporal Retinal Image Registration," in *International SoC Design Conference*, 2021.
- C.-J. Ho, M. Calderon-Delgado, C.-C. Chan, M.-Y. Lin, J.-W. Tjiu, S.-L. Huang, and H. H. Chen, "Detecting mouse squamous cell carcinoma from submicron full-field optical coherence tomography images by deep learning," in *Journal of Biophotonics*, 2020.
- C.-J. Ho, C.-C. Chan, and H. H. Chen, "AF-Net: A Convolutional Neural Network Approach to Phase Detection Autofocus," in *IEEE Transactions on Image Processing*, vol. 29, pp. 6386-6395, 2020.
- C.-J. Ho and H. H. Chen, "On the Distinction between Phase images and Two-View Light Field for PDAF of Mobile Imaging," in *Electronic Imaging*, 2020.

RESEARCH EXPERIENCE

Video Processing Lab, UCSD   **San Diego, USA**
Graduate Student Researcher (with Prof. T. Nguyen and Prof. C. An)   *Sep. 2020 -*
Research topic: 3D magnetic resonance imaging registration

Computational Imaging Lab, UCSD   **San Diego, USA**
Graduate Student Researcher (with Prof. N. Antipa)   *Sep. 2020 -*
Research topic: End-to-end optical system design

Multimedia Processing and Communications Lab, NTU   **Taipei, Taiwan**
Research Assistant (with Prof. Sheng-Lung Huang and Prof. Homer H. Chen)   *Sep. 2017 - Mar. 2020*
Research topic: Optical coherence tomography imaging
Research topic: Phase detection autofocus [Demo Video]

ACADEMIC SERVICE

Teaching Assistant   **Taipei, Taiwan**
EE1006: Cornerstone EECS Design and Development   *2018 Spring and 2019 Spring*

Journal Reviewer
IEEE Access

HONORS & AWARDS

- Electrical and Computer Engineering Department Fellowship, UCSD, Oct. 2020 - Jul. 2021
- 1st prize in NTUEE Undergraduate Innovation Award, NTU, Sep. 2019

- College Student Research Creativity Award, MOST, Taiwan, Sep. 2019
- College Student Research Scholarship, MOST, Taiwan, Jul. 2018 - Apr. 2019

KEY SKILLS

Programming Language	Python, C++, Verilog, Matlab, Latex
Frameworks	Pytorch, OpenCV
Natural Language	Chinese (native speaker), English (fluent)