

Chi-Jui (Jerry) Ho

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EDUCATION

University of California San Diego (UCSD)

Ph.D. in Electrical and Computer Engineering

GPA: 4.00/4.00

San Diego, USA

Sep. 2020 -

National Taiwan University (NTU)

B.S. in Electrical Engineering

GPA: 3.88/4.30

Taipei, Taiwan

Sep. 2015 - Jun. 2019

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, M.-Y. Lin, J.-W. Tjiu, S.-L. Huang, and H. H. Chen, "Classification of Squamous Cell Carcinoma from FF-OCT Images: Data Selection and Progressive Model Construction," in *Computerized Medical Imaging and Graphics* 93 (2021): 101992.
- 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

Graduate Student Researcher (advised by T. Nguyen and C. An)

Research topic: 3D magnetic resonance imaging registration

San Diego, USA

Sep. 2020 -

Computational Imaging Lab, UCSD

Graduate Student Researcher (advised by N. Antipa)

Research topic: Compressed sensing on spectropic analysis

San Diego, USA

Sep. 2020 -

Multimedia Processing and Communications Lab, NTU

Research Assistant (advised by S.-L. Huang and H. H. Chen)

Research topic: Optical coherence tomography imaging

Research topic: Phase detection autofocus [[Demo Video](#)]

Taipei, Taiwan

Sep. 2017 - Mar. 2020

ACADEMIC SERVICE

Teaching Assistant

EE1006: Cornerstone EECS Design and Development

Taipei, Taiwan

2018 Spring and 2019 Spring

Journal Reviewer

IEEE Access

2021

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)