

Eric-Tuan Lê

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ACADEMIC RECORD

- 2018 - 2023 **University College London**, London, United Kingdom
PhD in Computer Science: Computer Vision and Graphics, Deep Learning
Co-Supervised by Prof. [Iasonas Kokkinos](#) & Prof. [Niloy J. Mitra](#)
- 2016-2017 **Ecole Normale Supérieure de Cachan**, Cachan, France
Master of Research in Computer Vision & Machine Learning
- Core subjects: *Deep Learning, Sparse Wavelet Representations, Large Scale Optimization, Digital Image Processing and Partial Differential Equations, Neurosciences*
 - GPA: 4.00 (range from 0 to 4) - Graduated with **Highest Honors** (Overall grade: 17.49/20)
- 2014-2017 **ESCP Europe**, London/Paris - **Singapore Management University**
Master in Management, highly selective Master's level school (Ranked 5th according to the [FT](#))
- Core subjects: *Entrepreneurship, Stochastic Calculus, Derivative Securities theory, Hedge Funds, Strategy, Corporate Finance, Economics, Business Law & Taxation*
 - Z-Score: 1.89 (range from -3 to 3) - Graduated with **Highest Honors**
- 2013-2017 **CentraleSupélec**, Gif-sur-Yvette, France
Top-ranked "School of Engineering and Applied Science" – **MSc** in Applied Mathematics
- Core subjects: *Machine Learning & Classification, Asymptotic & Bayesian Statistics, Spectral Analysis, Sparse Representation of Signals, Optimization*
 - GPA: 3.98 (range from 0 to 4) - Graduated with **Highest Honors**

PUBLICATIONS

- Going Deeper with Lean Point Networks (CVPR 2020)**, Eric-Tuan Le, Iasonas Kokkinos, Niloy J. Mitra
- Cascaded Primitive Fitting Networks for 3D Point Clouds (ICCV 2021)**, Eric-Tuan Le, Minhuk Sung, Duygu Ceylan, Radomir Mech, Tamy Boubekeur, Niloy J. Mitra
- Softmesh: Learning Probabilistic Mesh Connectivity via Image Supervision (3DV 2021)**, Eric-Tuan Le, Niloy J. Mitra, Iasonas Kokkinos
- StyleMorph: Disentangling Shape, Pose and Appearance through 3D Morphable Image and Geometry Generation (ICLR 2023)**, Eric-Tuan Le, Edward Bertrum, Iasonas Kokkinos

WORK EXPERIENCE

- June-December 2022 **Snap Inc.**, London, United Kingdom
3D Human Body Group
Worked on a research project to unify DensePose and 3D Body Mesh reconstruction
- In preparation for a submission to ICCV 2023
- June-November 2020 **Adobe Research**, San Jose, United States
Emerging Graphics Group
Worked on a research project aiming at fitting primitives to very high resolution point clouds
- Adaptive patch sampling strategy to assemble global and local primitive detections
 - Improvement of state-of-the-art performance by 14% and small primitives detection by 21%
 - Led to a [paper](#) accepted to ICCV 2021 and a [patent](#).
- April 2017 – August 2018 **Société Générale Financial Services**, Paris La Défense, France
Research Data Scientist - General Inspection
- Led a wide range of projects on Natural Language Processing, Matrix Imputation and Model Combinations
 - Organized outreach lectures on clustering, outliers detection and Natural Language Processing for uninitiated audience

- May-September 2016* **Louis Bachelier Institute**, Paris, France
 French research center in Economics & Finance
 Research Data Scientist Internship – Data Lab
- Detection of weak signals in financial market databases to derive systematic trading strategies (internal start-up in Asset Management)
 - Estimation of the risk of loan default two month prior to delinquency
 - Prediction of clients' wealth based on transactional data
- June-August 2015* **Ernst & Young**, Paris La Défense, France
 Financial Auditor Internship - Corporate Treasury and Banking
- Audited the Treasury department of CAC40 companies
 - Audited consolidated financial statements of banking companies
 - Analyzed hedging strategies of large industrial groups

ACADEMIC RESEARCH PROJECTS

- June 2017* **Analysis of a biological plausible model for parameter estimation (Matlab)**
- May 2017* **Spectral estimation of Tip-Timing signals (Matlab)**, in partnership with Safran
- February 2017* **Detecting copy-move forgery on digital images (Matlab)**
- January 2017* **Predicting the age of a person from EEG signals analysis (Python)**, in partnership with Dreem
- June 2015* **Predicting the energy potential of a wind farm (Matlab)**
- June 2013* **Edge and pattern detection on images (Maple)**

LANGUAGES AND COMPUTER SKILLS

- Languages** French: Native speaker
 English: Fluent (TOEFL iBT 110/120)
 Spanish: Intermediate
 Chinese: Beginner
- IT** Microsoft Office Suite (Word, Excel, Access, PowerPoint), LaTeX
 Maple, Matlab, R, Python
 HTML & CSS, Ruby, Java, C, C++

INTERESTS AND EXTRA-CURRICULAR ACTIVITIES

- Extra-curricular activities**
- Conference and Journal Reviewer:**
- CVPR: [2021](#), [2022](#), [2023](#)
 - ICCV: [2021](#)
 - ECCV: [2022](#)
 - ISPRS Journal of Photogrammetry and Remote Sensing: [2023](#)
- Master students supervision**, CentraleSupélec (2017)
Predicting the risk of a sector of activity based on French news' sentiment analysis
 Supervision of a group of two Master students
- Teaching Assistant**, edited labs, marked courseworks, and tutored students in
- Computer Vision, led by Prof. Gabriel Brostow (2018)
 - Information Retrieval and Data Mining, led by Prof. Emine Yilmaz (2018)
 - Computer Graphics, led by Prof. Tobias Ritschel (2019)
 - Acquisition and Processing of 3D Geometry, led by Prof. Niloy J. Mitra (2019/20)
 - Introduction to Machine Learning, led by Prof. Iasonas Kokkinos (2019/21)
 - Machine Learning for Visual Computing, led by Prof. Niloy J. Mitra and Prof. Tobias Ritschel (2020/21)
 - Machine Learning Seminar, led by Prof. Marc Deisenroth and Prof. Brooks Paige (2021)
- Sports** **Badminton, Scuba Diving, Sailing catamaran, Sailplanes**