

Chen-Ping Yu, Resume

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Work status: U.S. Citizen

CAREER GOAL

Computer Vision/Machine Learning Research Scientist, Data/Deep Learning Scientist, Image Analyst.

SKILLS

Proficient in Java, Matlab, Torch7; experienced in C/C++, Python, and Keras.

EDUCATION

- Ph.D. – Computer Science, Stony Brook University, 2016**
- M.S. – Computer Science and Engineering, The Pennsylvania State University, 2010**
- M.S. – Computer Science, Rochester Institute of Technology, 2008**
- B.S. – Computer Science, Rochester Institute of Technology, 2005**

RELATED EXPERIENCES

Postdoctoral Research Fellow (8/2016 – Present)

Harvard University, Cognitive and Neural Organization Lab, Cambridge, MA

- Research in biologically-consistent deep learning models for understanding the human visual cortex.

Computer Vision Intern (6/2015 – 8/2015)

Shutterstock, Image Search Group, New York, NY

- Experiment with LSTM for language models, and deep learning convolutional neural networks (CNNs) for age estimation, face classification and localization, and language classification using Caffe, Torch7, and Python.

Engineering Intern (6/2012 – 8/2012)

Riverbed Technologies, Cloud Storage Group (Whitewater), Sunnyvale, CA

- Investigate state-of-the-art work with locality sensitive hashing (LSH) and similarity hash schemes for more efficient data de-duplication, for Whitewater cloud gateway product in C++.

Research Assistant / Teaching Assistant (2006 – 2016)

Stony Brook University, Computer Vision Lab (9/2010 – 2016)

- Research in image segmentation, and modeling visual clutter with statistical models and machine learning techniques. Assisted in Intro to Java, Algorithms, and Computational Biology courses.

The Pennsylvania State University, Laboratory for Perception, Action, and Cognition (LPAC) (8/2008 – 5/2010)

- Develop automatic algorithms in 3D MRI brain tumor segmentation using Matlab. Assisted in Intro to Matlab programming, Analysis of Algorithms, and Computer Graphics courses.

Carnegie Mellon University, Robotics Institute (5/2009 – 8/2009)

- Complete research in 3D neuroimage processing for Computer Aided Diagnosis of Alzheimer's Disease using Matlab; data sorting, validation, and mining using machine learning and pattern recognition techniques.

University of Rochester Medical Center, Cognitive Neuroscience Lab (6/2006 – 6/2008)

Rochester Institute of Technology, Laboratory of computational studies.

- Develop computational models to analyze self-motion with Matlab, and analyze human visual cortex neuron interactions with the model.

Analyst Programmer (10/2004 – 11/2006)

University of Rochester Medical Center, Cognitive Neuroscience Labt, Rochester, NY

- Design, implement, and test research software by working with Quake 3 engine code in C.

HONORS / AWARDS

GSEU Professional Development Award (2016), ICCV Travel Award (2015), NIPS Travel Award (2013), NSF EAPSI Fellowship (2013), SBUCS Department Chair Fellowship (2010), PSU College of Engineering Fellowship (2008), RIT Outstanding Graduate Student Award (2008), Dean's Lists (2005)