

Yujian ‘Charles’ Tang

University of North Carolina, Chapel Hill

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RESEARCH INTERESTS

My current research topic is on training neural networks to learn the segmentation of subcortical structures in macaque brains using deep learning on a convolutional neural network. Previous research experience includes image processing in neuroimaging, and data cleaning for mobile crowdsensing. I hope to do research on modeling human behavior in the real world in the future.

EDUCATION

University of North Carolina at Chapel Hill (Expected)

B.S., Computer Science

Minors: Statistics, Neuroscience

Chapel Hill, NC

August 2015-May 2019

PRESENTATIONS, PRECEDINGS, AND PAPERS

Tang, Y., Tasnim, S., Pissinou, N., Iyengar, S. S., & Shahid, A. (2018). *Reputation-Aware Data Fusion and Malicious Participant Detection in Mobile Crowdsensing*. Presentation at IEEE Big Data 2018 (12/13/18)

Aleman, C., Pissinou, N., Alemany, S., & Kamhoua, G. (2018). *Using Candlestick Charting and Dynamic Time Warping for Data Behavior Modeling and Trend Prediction for MWSN in IOT*. Presentation at IEEE Big Data 2018 (12/10/18)

Tang, Y., Kim, S., & Styner, M. (2018). *Adapting the CIVET Pipeline to Rhesus Macaque Brains*. Presentation at State of North Carolina Undergraduate Research Symposium (11/10/18)

Tang, Y., Kim, S., & Styner, M. (2018). *Adapting the CIVET Pipeline to Macaque Brains*. Presentation at University of North Carolina Computer Science Research Symposium (4/16/18)

RESEARCH EXPERIENCE

Neuro Image Research and Analysis Labs

Research Assistant

Mentor: Dr. Martin Styner

Chapel Hill, NC

August 2018-Present

Research Experience for Undergraduates, National Science Foundation

Research Intern

Mentors: Dr. Niki Pissinou, Samia Tasnim

Miami, FL

May 2018-August 2018

Neuro Image Research and Analysis Labs

Research Assistant

Mentors: Dr. Martin Styner, and Dr. Sun-Hyung Kim

Chapel Hill, NC

June 2017-May 2018

WORK EXPERIENCE

Department of Computer Science, UNC

Undergraduate Learning Assistant (COMP 283)

Instructor: Dr. David Plaisted

Chapel Hill, NC

Fall 17, Spring 18, Fall 18

ITS Franklin, UNC

Middleware Intern

Chapel Hill, NC

June 2017-August 2017

Department of Computer Science, UNC

Undergraduate Learning Assistant (COMP 410)

Instructor: Dr. David Stotts

Chapel Hill, NC

Fall 2016

nCino

Developer Intern

Wilmington, NC

June 2016-August 2016

HONORS

Undergraduate Learning Assistant of the Year Nominee, 2018

NC State Math Contest Scholarship Winner, 2015