**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)** Chapel Hill, NC

B.S., Computer Science August 2015-May 2019

Minors: Statistics, Neuroscience

**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** Chapel Hill, NC

Research Assistant August 2018-Present

Mentor: Dr. Martin Styner

**Research Experience for Undergraduates, National Science Foundation** Miami, FL

Research Intern May 2018-August 2018

Mentors: Dr. Niki Pissinou, Samia Tasnim

**Neuro Image Research and Analysis Labs** Chapel Hill, NC

Research Assistant June 2017-May 2018

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

**WORK EXPERIENCE**

**Department of Computer Science, UNC** Chapel Hill, NC

Undergraduate Learning Assistant (COMP 283) Fall 17, Spring 18, Fall 18

Instructor: Dr. David Plaisted

**ITS Franklin, UNC** Chapel Hill, NC

Middleware Intern June 2017-August 2017

**Department of Computer Science, UNC** Chapel Hill, NC

Undergraduate Learning Assistant (COMP 410) Fall 2016

Instructor: Dr. David Stotts

**nCino** Wilmington, NC

Developer Intern June 2016-August 2016

**HONORS**

Undergraduate Learning Assistant of the Year Nominee, 2018

NC State Math Contest Scholarship Winner, 2015