

Yujian ‘Charles’ Tang

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RESEARCH INTERESTS

My current research topic is on automating 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. Future research interests are in applications of deep learning in data cleaning.

EDUCATION

University of North Carolina at Chapel Hill (Expected)

B.S., Computer Science
Minors: Statistics, Neuroscience

Chapel Hill, NC
August 2015-May 2019

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 Sun-Hyung Kim, PhD

Chapel Hill, NC
June 2017-May 2018

WORK EXPERIENCE

Department of Computer Science, UNC

Undergraduate Learning Assistant (COMP 283)
Professor: 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)
Professor: Dr. David Stotts

Chapel Hill, NC
Fall 16

nCino

Developer Intern

Wilmington, NC
June 2016-August 2016

HONORS

NC State Math Contest Scholarship Winner, 2015
Undergraduate Learning Assistant of the Year Nominee, 2018

PRESENTATIONS, PRECEDINGS, AND PAPERS

“Adapting the CIVET Pipeline for Macaque Brains”, Computer Science Research Symposium, May 2018