

Yunchao "Lance" Liu

CONTACT INFORMATION

Office: 5144G Medical Research Building III
465 21st Ave S
Nashville, TN 37212
E-mail: lanceknight26@gmail.com

Homepage: <http://www.LiuYunchao.com>
LinkedIn: <http://www.linkedin.com/in/YunchaoLiu/>
GitHub: <https://github.com/LanceKnight>
Google Scholar: <http://scholar.google.com/citations?user=oFtlWfwAAAAJ&hl=en>

EDUCATION

Vanderbilt University

Doctor of Philosophy (Ph.D.) in Computer Science

Aug 2018 – Present

- Advisors: Dr. Jens Meiler, Dr. Bobby Bodenheimer, Dr. Tyler Derr
- Cumulative GPA: 3.92 / 4.00

University of Texas at Dallas

Master of Science (M.S.) in Computer Science

May 2015

- Cumulative GPA: 3.85 / 4.0

Beijing University of Posts and Telecommunications

Bachelor of Science (B.S.) in Management

Sep 2013

RESEARCH EXPERIENCE

Meiler Lab, Vanderbilt University

PhD Student, Computer Science Department

Sep 2018 – Present

- Computer-Aided Drug Discovery
- Geometric Deep Learning
- Self-supervised Learning
- Advisors: Dr. Jens Meiler, Dr. Bobby Bodenheimer, Dr. Tyler Derr

State Key Laboratory of Intelligent Technology and Systems, Tsinghua University

Research Assistant, Department of Computer Science and Technology

Jul 2012 – Mar 2013

- Projects: Visual Saliency for Road Sign Detection
- Advisor: Dr. Xiaolin Hu
- Research areas: Visual Saliency

PUBLICATIONS

Yunchao Liu, Rocco Moretti, Bobby Bodenheimer and Jens Meiler. Foldit Drug Design Game Usability Study: Comparison of Citizen and Expert Scientists. 2020. Precedings of the 13th Annual ACM SIGGRAPH Conference on Motion, Interaction and Games (MIG), 2020

SERVICES

Conference Reviewer

- Conference on Neural Information Processing Systems-AI for Science (NeurIPS-AI4Science) 2021

Conference Sub-Reviewer

- ACM International Conference on Web Search and Data Mining (WSDM) 2022
- ACM International Conference on Information and Knowledge Management (CIKM) 2021
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD) 2021

SKILLS

Proficient with: Python, \LaTeX

Coded using: C, C++, C#, Java, Visual Basic, HTML, Javascript, MATLAB, R

Operating Systems: CentOS, Ubuntu, and Windows

OTHER WORK EXPERIENCE

American Wonder Porcelain LLC., Nashville, TN, USA

IT Specialist

Sep 2015 – Jan 2018

- Administrated IFS ERP system: user right control, workflow design and etc.
- Analyzed sales data with Power BI
- Planned internet layout
- Provided other technical support

Xtera Communications Inc., Allen, TX, USA

Software Engineer Intern

Jan 2015 – Jul 2015

- Developed visualization software for remotely monitoring optical signals

University of Texas at Dallas, Dallas, TX, USA
Website Developer Intern
• Developed websites for the international center

Jun 2014 – Dec 2014

LANGUAGES English: Fluent (speaking, reading, writing).
 Chinese: Native language.

REFERENCES Available Upon Request

[CV compiled on 2021-09-29]