

Tianqi Luan

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Education

Master of Computer Science 2020-Present

Georgia State University, Atlanta, GA

Master of Statistics 2019-Present

Georgia State University, Atlanta, GA

Master of Chemistry 2017-2019

Western Washington University, Bellingham, WA

Bachelor of Engineering 2013-2017

Southern University of Science and Technology, Shenzhen, Guangdong, China

Employment highlights

Research Assistant, Chemistry 2017-2019

Western Washington University, Bellingham, WA

- ❖ Individually carried out the Gold-nanorod Based Hg Ion Sensing Research project
- ❖ Honorable mention poster award 2018 Graduate Student Symposium
- ❖ Participated in the setting-up of current research lab and completing of lab policy
- ❖ Attend poster session at 2019 ACS Spring Meeting

Teaching Assistant, Chemistry 2017-2019

Western Washington University, Bellingham, WA

- ❖ Lab instructor for General Chemistry & Analytical Chemistry lab
- ❖ Individually responsible for lab safety, teaching and prepping
- ❖ Secured a safe operating laboratory through the two years
- ❖ Instructed over 200 undergraduate students and got very positive response

Mathematical Tutor, Statistics 2019-Present

Georgia State University, Atlanta, GA

- ❖ Math tutor at Mathematical Assistance Complex (MAC)
- ❖ Participated in both online and in person face-to-face tutoring
- ❖ Responsible for new tutor training every semester

Techniques

- ❖ Proficient in HTML, CSS, JavaScript, React
- ❖ Experience with design related software (Adobe Photoshop, Illustrator)
- ❖ Capable of data visualization with statistical programming languages (Python, Matlab)
- ❖ Experience with big data frameworks (Hadoop, Spark)
- ❖ Capable of reviewing and interpreting raw data and reports.
- ❖ Strong skill in spreadsheets, databases, and statistical software
- ❖ Experience with Microsoft Team, Slack

Publications

1. Plasmonic Detection of Mercury via Amalgamation on Gold Nanorods Coated with PEG-Thiol, John R. Crockett, Hla Win-Piazza, Joseph E. Doeblner, Tianqi Luan, and Ying Bao, ACS Applied Nano Materials 2021 4 (2), 1654-1663, DOI: 10.1021/acsanm.0c03134
2. pH-Responsive Graphene Oxide–DNA Nanosystem for Live Cell Imaging and Detection, Chen Shao, Jia Liang, Sihui He, Tianqi Luan, Jiantao Yu, Haoran Zhao, Jingyuan Xu, and Leilei Tian, Analytical Chemistry 2017 89 (10), 5445-5452, DOI: 10.1021/acs.analchem.7b00369

Links

- ❖ Github: <https://github.com/luan671>
- ❖ Linkedin: <https://www.linkedin.com/in/tianqi-luan-610a9b17a/>