

# LONG LE

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## WORK EXPERIENCE

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### Research Fellow

Summer 2019

*Research Experiences for Undergraduates, UMass Math*

- Plumbing.

### Undergraduate Teaching Assistant

Spring 2019 - Present

*College of Computer Science & Department of Mathematics and Statistics.*

- TA for **CS 240**: Reasoning Under Uncertainty, an introductory course in statistics.
- Grade assignments. Help with discussion section. Answer students' questions on Piazza.
- TA for **Math 128**: Calculus II for Life and Social Sciences.
- Help with lectures, hold tutoring hours, proctor exams.

## EDUCATION

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### University of Massachusetts Amherst

2018-2022

*B.S. in Computer Science and Statistics (Dual degree)*

- GPA: 3.95/4.0
- Awards: Chancellor's Scholarship, Dean's list for outstanding academic performance.
- Graduate Coursework: Machine Learning, Stochastic Process, Bayesian Statistics, Mathematical Modeling, Measure Theory Probability.
- Advanced Undergraduate Coursework: Artificial Intelligence. Computer System. Real Analysis.

## PROJECTS

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### Dynamic Chaotic Planning Active Q-Learning Optimization

The project aims at designing and fabrication of two Buckling Restrained Braces which were analyzed under dynamic loading. As alternative for conventional braces, these BRBs are also beneficial for seismic retro-fitting in RCC and steel structures.

### Indirect Model Analysis of Structures

Presented a Seminar on Indirect Model Analysis, explaining the method to compute response of Prototype from the Influence lines obtained from Model. Use of Muller Breslau Principle in Indirect Model Analysis and the Similitude between prototype and model.

### Nuclear Reactor (Mahattan Project)

Presented a seminar on Micro Tunneling, explaining its advantages over conventional method of drainage laying systems. Analysis considering direct and indirect cost of micro tunneling was also discussed.

## TECHNICAL SKILLS

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### Modeling and Analysis Software & Tools

AutoCad, Revit, StaadPro  
MS Office, Latex