Ajith Senthil

411 E Healey Street
Champaign, IL 61820

GitHub: https://github.com/ajithksenthil

916-813-9966
ajithksenthil@gmail.com

Skills/Languages

Languages: C++, Java, C#, Python, R

Software/Frameworks: Git, Jupyter Notebook/Lab, Numpy, NumSharp, PyTorch, Mathematica

Interests: Computational Linguistics, Deep Learning, Cognitive Modelling

Research Experience

Natural Language Processing Research Assistant

May 2021-Present

Gies Business School @ UIUC (Champaign, IL)

- Developed NLP models to analyze analogical reasoning and organizational behavior
- Developing unique computational linguistic measures for research in human behavior in business settings
- Analysis of sentiment, metaphors, analogies, and conversation

Deep Learning Research Assistant

October 2020 - May 2021

Learning & Language Lab @ UIUC (Champaign, IL)

- Modeling social cognition at the Learning and Language Lab under Dr. Jon Willits
- Developing multi-agent systems to model social cognition with C# and Unity3D
- Conceptualizing and implementing Neural Networks to model Human Behavior

Computational Genomics Research Assistant

May 2017 - October 2017

https://siegel.ucdavis.edu/research (Davis, CA)

- Computational Modelling of Novel Enzymes Catalysts under Dr. Siegel
- Wet Lab and Dry Lab Experience
- Design-Build-Test cycle

Education

University of Illinois at Urbana-Champaign / Computer Science & Linguistics, Brain and Cognitive Science

Expected Graduation Date: August 2022

Relevant Completed Coursework:

- CS 125: Intro to Object-Oriented Programming
- CS 126: Software Design Studio
- CS 173: Discrete Structures
- CS 225: Data Structures
- CS 374: Intro to Algorithms and Formal Computation
- CS 440: Artificial Intelligence
- CS 441: Applied Machine Learning
- Ling 100: Intro to Linguistics
- Ling 301: Syntax
- Ling 307: Semantics and Pragmatics
- Ling 406: Computational Linguistics
- Psych 100: Intro to Psychology
- Psych 204: Intro to Brain and Cognition
- BCOG 100: Intro to Cognitive Science
- BCOG 200: Programming for Cognitive Science
- BCOG 458: Advances in Brain and Cognitive Sciences
- Stat 200: Intro to Statistics
- Stat 400: Intro to Statistics and Probability
- Math 225: Matrix Theory/Intro to Linear Algebra
- Math 241: Multivariable Calculus with Mathematica

Relevant Coursework to be Completed Before Graduation:

- Ling 490: Computational Semantics
- Psych 302: Applied Neuroscience
- Psych 331: Cognitive Psych Lab
- CS 240: Intro to Computer Systems
- CS 444: Deep Learning for Computer Vision
- TRST 415: Machine Translation and Application