

# NICHOLAS TURK

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## EDUCATION

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### Georgia Institute of Technology

B.S. in Computer Science

Minor in Linguistics

Overall GPA: 3.90

*To Be Completed Spring 2025*

## SKILLS

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### Programming Languages Software

Java, JavaScript, C++, C#, Python

Microsoft Office, LaTeX, Unity, Vim, eMacs

## EXPERIENCE

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### Montana State University

*Research Assistant*

May 2024 - July 2024

*Bozeman, MT*

- Programmed stochastic search algorithms for a python library
- Designed experiments to test stochastic search algorithms for nonlinear regression problems
- Collaborated on a paper for the IEEE SSCI 2025 conference

### Georgia Institute of Technology

*Undergraduate Teaching Assistant*

May 2023 - present

*Atlanta, GA*

- Taught discrete math for computer science
- Ran office hours and recitation lectures for student review
- Created/graded homework and exam problems

## PROJECTS

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### Outcasts

*Cooperative puzzle game by Georgia Tech Video Game Development Club*

January-May 2023

- Programmed in Unity
- Designed puzzle game levels
- Organized scenario writing
- Led dialogue writing

### Middle English Orthography Study

*Study of diachronic change in Middle English spelling*

April 2024-May 2024

- Parsed and analyzed Helsinki Corpus
- Created 10+ data visualizations of spelling statistics using Matplotlib

### Early Modern English Orthography Study

*Ongoing computational linguistic study*

January 2024-Ongoing

- Programmed in Python
- Parsed historical corpora of 1,000+ Early Modern English texts
- Designed orthographic clustering algorithms