

# AARON STANGE

## CONTACT

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## SKILLS

C++

Python

R Programming

JavaScript

Java

Git

Scripting

AI and Machine Learning

## EDUCATION

### **Wheaton College**

2023-2026/27(Expected)

BS in Computer Science

**Majors:** Computer Science  
and Mathematics

**Minor:** Data Science

Major/Overall GPA: 4.0/3.97

### **Positions:**

C.S. Club Project Manager

Peer Tutor

Teacher Assistant

### **Relevant Courses**

- AI and Machine Learning
- Data Structures and Algorithms
- Modeling and Simulation in R
- Advanced Cryptography
- Methods of Data Analysis
- Linear Algebra
- Discrete Mathematics
- Problem Solving and Python
- Object-Oriented Programming
- Computing Theory
- Comp. Organization/Assembly
- Calculus I, II, and III
- Real Analysis
- Theory of Probability
- Web Development

## PROJECTS

### **Stock Price Simulator**, Wheaton College, Jan. 2024

- Built a stock price prediction model using historical data and statistical techniques including GBM to simulate future movements based on drift, volatility, and interest rates, with back-testing and forecasting capabilities.

[github.com/AStange12/Stock-Market-Simulation](https://github.com/AStange12/Stock-Market-Simulation)

### **AI Agentic Workflow**, Wheaton College, May. 2025

- Built a deliberately misleading AI chatbot using Python and the llamabot framework to demonstrate advanced prompt engineering, tool integration, and retrieval-augmented generation techniques for educational purposes.

[github.com/AStange12/ai-final-agent-gaslight](https://github.com/AStange12/ai-final-agent-gaslight)

## EXPERIENCE

### **Software Development Intern**, Lexos, Summer 2024

- Achieved 100% test coverage on rolling windows module using pytest with comprehensive edge case analysis and platform compatibility testing
- Developed corpus/statistics module including file management, metadata processing, and inter-module communication protocols with performance optimization
- Architected dual storage database system using SQLite, SQLAlchemy, and FTS5 enabling hybrid local/database workflows with backward compatibility
- Created interactive tutorials and technical documentation, establishing project-wide standards
- Collaborated in team utilizing git/github workflows, contributing 135,000+ lines of code across 40+ commits

### **Peer Tutor**, Wheaton College, August 2023 to Current

- Tutor of Computer Science, Data Science, and Mathematics, assisting students with understanding complex concepts and problem-solving techniques.
- I guide them through problems teaching and helping them grasp a deeper understanding of the material.
- I make sure to create a welcoming environment, where everyone feels welcome and eager to learn.

### **Teacher Assistant**, Wheaton College, August 2024 to Current

- Teacher Assistant for Problem-Solving and Python Programming class.
- Support students with coding concepts, debugging, and algorithm development.
- Clarify complex topics and ensure students understand key programming principles while fostering problem-solving skills.