Erica Zheng

CONTACT

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LANGUAGES

→ Java
→ C
→ C++
→ HTML/CSS
→ Python
→ Javascript
→ SQLite
→ Assembly

FRAMEWORKS

→ Git
→ Bootstrap
→ Django
→ JUnit

CS COURSEWORK

→ Intro. To Java
→ Data Structures
→ Programming Methodology
→ Computer System Principles
→ Reasoning Under Uncertainty
→ Intro. To Computation
→ Algorithms
→ Web Programming
→ Artificial Intelligence

PROJECTS

N-Puzzle Problem

Implemented algorithms in Java using multiple search strategies – BFS, DFS, A*, and uniform cost – to reposition tiles into their proper order and solve n*n sliding blocks puzzle.

Blogging Website

Supported full-stack development (front-end and back-end) using HTML, CSS, Python, Bootstrap, SQLite, and Django.
Designed, implemented and constructed multiple interfaces, such as user login and log-out, and blog-creating and blog-editing

WORK EXPERIENCE

Undergraduate Course Assistant   2017-present
UMass Amherst – College of Information and Computer Science

My responsibilities include:
- Monitor and lead a weekly lab section consisting of ~30 students
- Proctor and grade exams/assignments
- Respond to student questions on online forums

Computer Science Tutor   2018-present
UMass Amherst – Learning Resources Center

My responsibilities include:
- Provide course specific academic support on courses I have previously taken and excelled in – currently, I tutor all four core CS courses:
  - Programming Methodology, Computer System Principles, Reasoning Under Uncertainty, and Intro. To Computation

Academic Peer Advisor   2018-present
UMass Amherst -- – College of Information and Computer Science

My responsibilities include:
- Assist undergrad. students with course enrollment and current semester issues
- Provide program support and outreach for College of Computer Science
- Communicate with professional staff to help students succeed academically

EDUCATION

University of Massachusetts, Amherst   Amherst, MA
Bachelor of Science, Computer Science

GPA: 3.92 / 4.0 | Expected Graduation: May, 2020