

Liza Pressman

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EDUCATION

University of Rochester

Rochester, NY

Bachelor of Arts in Computer Science (Human Computer Interaction), Mathematics, and Studio Arts

Anticipated 2021

- GPA 3.67 out of 4.00 (Deans List, Deans Scholar)

EXPERIENCE

Doctorbox Health, Inc.

Sausalito, CA

Software Engineering Intern

Summer 2019

- Used Java to gather and summarize patient data and optimize visual display for surgeons' use
- Used Javascript to convert data to natural language
- Used Vue.js to develop a questionnaire web application

Computer Science Department, University of Rochester

Rochester, NY

Teaching Assistant for "Data Structures and Algorithms"

Fall 2018

- Graded assignments and assisted students with weekly labs and term projects

Startup Wonder

Millbrae, CA

Instructor

Summer 2018

- Taught and designed curriculum for summer camp sessions focused on programming and entrepreneurship

Lafayette Academy

Moraga, CA

Mathematics Tutor

Summer 2018

RELEVANT COURSEWORK AND SELECTED PROJECTS

Computer Science

- Data Structures and Algorithms
- Computation and Formal Systems
- Artificial Intelligence
- Web Design
- Human Computer Interaction
- Computer Models of Human Perception

Mathematics

- Calculus (through multidimensional)
- Linear Algebra (and Differential Equations)
- Discrete Mathematics
- Topology
- Cryptography
- Probability

Studio Arts

- Digital Media Toolkit
- Advanced Sculpture
- New Media and Emerging Practices
- Writing on Art

Therapy Journaling Application

- Application using MERN stack for personalized journaling with automated feedback based on mood & text analysis

Dijkstra's Algorithm

- Implemented a program using java graphics to find the shortest path between any two points in New York State

Connect Four AI

- Implemented a minimax algorithm along with a heuristic function and alpha-beta pruning (with a fixed depth cutoff)

CAMPUS LEADERSHIP & ACTIVITIES

Toy Adaptation Program, University of Rochester

Rochester, NY

Publicity and Community Outreach Chair (April 2019 – PRESENT), Member

August 2018 – PRESENT

Women in Computing, University of Rochester

Rochester, NY

Member

August 2017 – PRESENT

Club Volleyball, University of Rochester

Rochester, NY

Business Manager (April 2018 – April 2019), Libero

August 2017 – PRESENT

SKILLS

- Experience: Java, Javascript, Vue.js, Python, HTML, CSS, C
- Artistic/Design skills: Adobe products, Invision, Procreate, Vector graphics software