

# Liza Pressman

(510) 410-0565 | lpressma@u.rochester.edu | lizapressman.com | Github/LinkedIn: lizapressman

## EDUCATION

### University of Rochester

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

Rochester, NY

Anticipated 2021

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

## EXPERIENCE

### Doctorbox Health, Inc.

Software Engineering Intern

Sausalito, CA

Summer 2019

- Used Java to summarize patient data and optimize visual display for surgeons' use
- Used AWS lambda functions to convert programs to server-less-side rendering

### Computer Science Department, University of Rochester

Teaching Assistant for "Data Structures and Algorithms"

Rochester, NY

Fall 2018

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

### Startup Wonder

Instructor

Millbrae, CA

Summer 2018

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

### Lafayette Academy

Mathematics Tutor

Moraga, CA

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

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

Rochester, NY

August 2018 – PRESENT

### Women in Computing, University of Rochester

Member

Rochester, NY

August 2017 – PRESENT

### Club Volleyball, University of Rochester

Business Manager (April 2018 – April 2019), Libero

Rochester, NY

August 2017 – PRESENT

## SKILLS

- Coding experience: Java, Python, HTML, CSS, Javascript, C
- Artistic/Design skills: Adobe products, Invision, Procreate, Vector graphics software