

# Ryan Rizzo

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TODO Place holder for the objective statement here. Assisted computer science professors in delivering lectures, facilitating in-class activities, and conducting lab sessions for the 250 students taking the undergraduate course.

## EDUCATION

**University of Arizona, College of Science**  
*Bachelor of Science in Computer Science*  
**Minor:** Information Science and Arts

**Tucson, Arizona**  
Grad Date: Dec. 2023

## PROFESSIONAL EXPERIENCE

**University of Arizona: CS Department**  
Computer Science Undergraduate Teaching Assistant

**Tucson, Arizona**  
Aug. 2023 – Dec. 2023

- Assisted computer science professors in delivering lectures, facilitating in-class activities, and conducting lab sessions for the 250 students taking the undergraduate course "Computer Science 210 Software Development."
- Provided one-on-one and group tutoring to students, offering support in completing their weekly coding assignments, as well as reviewing complex programming concepts, algorithms, and data structures in Java.
- Aided in grading assignments, projects, and exams, consistently offering detailed and insightful feedback, which played a crucial role in helping students enhance their programming skills and academic growth.
- Demonstrated strong interpersonal and communication skills while interacting with students, addressing their questions and concerns.

**Jimmy Johns**  
*Opener / Driver*

**Tucson, Arizona**  
Jan. 2020 – Present

- Demonstrated the ability to thrive in fast-paced environments, managing multiple tasks while maintaining a high level of accuracy and professionalism.

**InBalance Academy**  
*Behavior Health Para-Professional*

**Tucson, Arizona**  
Aug. 2017 – Jul. 2019

- Facilitated and conducted group therapy sessions to address anxiety, anger, substance abuse, depression, and other behavioral issues with groups of up to 50 adolescent boys.
- Conducted patient intake and contacted families to gather psychiatric histories and develop treatment plans.
- Supported clients by providing referrals and linkages to substance abuse, mental and medical services.

## PROJECTS

### Arduino Automatic Skittle Sorter

- Designed, coded, tested, and constructed a finite state machine that intakes a bag of skittles, detects each piece's color, and sorts them by drops each piece into its color coordinated bucket.
- Achieved using **C++**, basic electronic components, a microcontroller, plasma cutting, and 3D-printing.

### Generative Visual Media in Processing

- Utilized **logic**, **algorithms**, geometry, random number generation, and **Java** based processing, to generate a collection of one-off renditions of digital artwork.
- Produced distinctive images with each script resulting in unique visual outputs.

### SQL & JDBC Mock Hotel DBMS

- Developed a database and its management system for a hotel by harnessing **Java**, **JDBC**, and **SQL**.
- Created a text-based **GUI** for the purpose of queries and the insertion, deletion, and edition of tuples.

## TECHNICAL SKILLS

- **Compiled Languages** (Java, C, C++, C#)
- **Scripted Languages** (Python, R, Ruby)
- **Query Languages** (SQL, noSQL, JDBC)
- **Web Development** (HTML, CSS, Javascript, PHP)
- **Methodology** (Agile, Scrum, Waterfall, FDD, RAD)
- **Collaboration** (Git, Slack, Jupyter, Trello)
- **Operating Sys** (Linux, Unix, Windows, MacOS)
- **Software** (Microsoft 365, Adobe Suite, Ableton)

## RELEVANT COURSEWORK

- **CSC436** (Software Engineering)
- **CSC452** (Operating Systems)
- **CSC460** (Database Design)
- **CSC352** (System Programming & Unix)
- **CSC337** (Web Programming)
- **CSC335** (Object Oriented Programming & Design)
- **CSC343** (Human Computer Interaction)
- **CSC252** (Computer Organization)