

# BRANDEN HOUGH

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1810 Probasco Way  
Sparks, Nevada, 89431

## EDUCATION

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**University of Nevada, Reno, College of Engineering, Reno NV**

**Expected Graduation May 2028**

- Bachelor of Science in Computer Science & Engineering

## WORK EXPERIENCE

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**Jr. & Teen Center | Family Respite Care of Nevada | 555 Reactor Wy August 2022 - June 2024**

- Contributed 140 hours over the given time span while maintaining excellence in school and sports
- Responsibilities include caring for, comforting, and engaging with children who have special needs
- Effectively communicated with the children in the program, as well as the staff, fellow volunteers, and parents involved in the program
- Remained flexible by collaborating with staff and fellow volunteers to ensure the well-being of the children

## RELEVANT COURSEWORK

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### Computer Science

- CS 135
  - Designed small programs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability to solve such problems
  - Collaborated effectively on multidisciplinary teams
  - Used modern programming language and development environment to design and implement small computer programs

### Digital Design

- CPE 201
  - Developed and conducted appropriate experimentation, analyzed and interpreted data, and used engineering judgment to draw conclusions

## PROJECTS

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### EV3 MINDSTORMS Programming | LabVIEW 2016 | Introduction to Engineering Design

- Programmed EV3 Robot to navigate an obstacle course
  - Recorded values from light sensors to control motors

### R Programming | RStudio | Intro to Data Science

- Used existing data on US cities to find the best city to live in
  - Found data on housing prices, unemployment rates, costs of living, and incomes
  - Utilized a ranking system and created tables and histograms to find best city on average

## SPECIALIZED SKILLS

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### Programming Languages:

- C, C++, R Java, CSS, HTML