

# David De Higes

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## EDUCATION

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### University Of Colorado Boulder

*B.S. Computer Science & B.A. Economics with Quantitative Emphasis*

**August 2023 – May 2027**

*Boulder, CO*

### Thousand Oaks High School

*High School Diploma*

**August 2019 – June 2023**

*Thousand Oaks, CA*

## WORK EXPERIENCE

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### University of Colorado Boulder Residence Life

*Residential Advisor*

**August 2024 – Present**

*Boulder, CO*

- Advise and support 90+ residents, fostering a sense of community through building-wide events
- Manage administrative tasks, including incident reporting, maintenance requests, and front desk duties
- Design creative materials, such as door decorations, informational flyers, and bulletin boards
- Utilize conflict resolution skills in various situations, including mediating roommate conflicts, responding to noise complaints, and handling emergencies calmly and professionally.

### Valencia Relationship Institute

*Administrative Coordinator*

**October 2020 – August 2023**

*Valencia, CA*

- Developed and designed presentations for company conferences, enhancing professional engagements
- Managed financial responsibilities, including cataloging and processing company checks
- Provided tech support, overseeing digital backups, file storage, and resolving technical issues
- Oversaw office operations, including procurement of supplies, organization, and maintenance tasks

## PROJECTS

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### Student Assignment Calendar

**May 2024 – August 2024**

- Designed a time management software integrating class schedules with assignment deadlines
- Automated the scheduling of completing assignments based on the user's existing schedule and assignment duration.
- Created an intuitive interface for students to efficiently manage and plan their academic tasks

### Restaurant Review System

**April 2024**

- Systematically stored and managed restaurant reviews, with methods to access and update information
- Designed and implemented a hash table with chaining (using linked lists) for handling collisions and a priority queue with a heap for managing and sorting reviews
- Developed an intuitive interface for users to input and view detailed restaurant reviews, including names, feedback, customer details, and review times

### Candyland Game

**December 2023**

- Developed a virtual board game in C++ featuring a game board, a deck of cards with probabilistic mechanics, and support for an unlimited number of players
- Created a dynamic gameplay experience with unique character abilities, a shop system for purchasing upgrades with in-game gold, and random calamities that could occur after each move

### Effects of Website Design on Consumer Sales

**September 2022- April 2023**

- Analyzed the impact of website aesthetics on consumer sales focusing on various design elements
- Conducted surveys to gather data and performed standard deviation analysis to evaluate how aesthetically pleasing websites correlated with higher sales performance.

## SKILLS

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- **Skills:** Research, Numerical analysis, Team Collaboration, Problem Solving, Leadership, Fluent in Spanish
- **Programming Languages:** Python, Java, C, C++, Javascript/HTML/CSS,
- **Tools:** Google Slides, Sheets, & Docs (Microsoft Word, Excel, & Powerpoint), Git, SQL, MySQL