

Bryan Rodriguez-Andrade

Computer Science
Student and Director
of Fitness

Contact

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LinkedIn

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Skills

Python



Git



Agile



Latex



Unity



C#



Spanish



June

2020 –

December

2020

Software Engineer Intern

Breakstep Studios

Breakstepstudios.com, Los Angeles, CA

- Worked through the development and release of the Command Center Earth game, available on Apple and Android stores.
- Created new levels for Command Center Earth game using Unity and C# scripting.
- Wrote clean, clear, and tested code for various tasks such as back end menu implementation, front end GUI development, and game-testing functionality.
- Developed Git and documentation skills to produce validation-ready code for project needs.
- Supported software engineering development in an Agile work environment.
- Collaborated with developers to identify and fix bugs and errors in source code.
- Partnered with company mentor to learn software design best practices.
- Quickly developed an understanding of company code base, syntax, and language conventions

February

2019 -

Current

Projects

Personal

- **Sudoku PyGame:** created a Sudoku board game using Python and a GUI using PyGame. Implementation included a random board generator, a movement validation algorithm, a solution validation algorithm, and an autocomplete feature using a backtracking algorithm.
- **Hiking Trail Finder Web App:** created a hiking trail finder with a team of students. The app used Google Maps, Hiking Project, and Open Weather APIs to provide accurate information for the user to find a hike in their area. The app provides hiking recommendations based on user fitness level, and suggests gear based on current weather conditions. The app was created using Bootstrap and deployed using GitHub Pages.
- **Chinese Chess Game:** developed a chess game variant in Python. Users use terminal inputs to move board pieces, movement validation algorithms ensure proper player movements and win conditions.

December

2017 -

Current

Director of Fitness

Jonathan Club, Los Angeles, CA

- Directs a team of +40 between two locations: Santa Monica, and Downtown Los Angeles.
- Responsible for staffing, scheduling, and budget management
- Built strong relationships with members to promote health, wellness, and available services.
- Developed a culture of trust, reliability, and empathy.

Education

2019-08 -

Current

Bachelor of Science: Computer Science

Oregon State University - Corvallis, OR

GPA: 3.9

Expected Graduation Date: March 2022

Member of Society of Hispanic Professional Engineers, OSU Chapter

Awards:

2020 Jonathan Club Scholarship Fund Recipient

Bachelor of Science: Kinesiology

California State University Los Angeles - Los Angeles, CA

Graduation Date: June 2012