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# Howard Montes De Oca

## Computer Science, Bachelor's Degree

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<https://github.com/hmontesdeoca>

## EDUCATION

### California Polytechnic University Pomona

Sep. 2016 - May 2021

- Core understanding of Data Structures / Algorithms
- Familiarity with Multivariable Calculus / Linear Algebra

## PROJECTS

### Homemade Goods / Node, React, MongoDB

Dec. 2020

- Displays local businesses with homemade goods
- Dynamically loaded website with new cards  
From database
- Implemented Front-end design with React.js

### SeaShell / C++, Bash

Oct. 2020

- Recreated an interactive bash terminal with C/C++ code
- Command line interface that operates like most UNIX shells
- Bash scripting incorporated to test all commands available

### Funko Pop Hunter (Web Scraper) / Java, JavaFx

Jan. 2020

- Developed JavaFX Graphical User Interfaces
- Implemented Jsoup file parsing and regex handling
- Crawled HTML files and Extracted Name matches/Hyperlinks

### 3D Shape Manipulator / Java, JavaFX

Dec. 2019

- Developed interactive shape displayer that can manipulate and move shapes
- Utilized JavaFX to create Menus, Toolbars, error dialogs, and file opening/saving

## SKILLS

- Familiar with Kotlin, Java, C++, and Python
- Exposed to Node, React, MongoDB, HTML, CSS, JavaScript, Bash and Perl

## Extracurricular Activities

- **Ignite CS**
    - Teaching programming and computer science fundamentals to middle school students
  - **Computer Science Society (CSS)**
    - Attended seminars to further understanding of computer science within the tech industry
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