

# Abeal Sileshi

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**Technical:** C++, Python, Java, HTML, CSS, JavaScript, NodeJS, MySQL, Docker, Postgres, MongoDB, STATA, R

## Education

### University of Colorado Boulder – Double Major

Boulder, CO

B.A. in Computer Science & Economics (Quantitative Emphasis)

Aug 2017 - Dec 2021

Cum. GPA 3.3, *Dean's List* (Spring 2018, 2021), McNeill Scholar, Sidley Scholar, CADC Scholar

## Projects

### Movie API

May 2021

#### Individual Project

- Designed a website that connects to an API with movie information
- Implemented search features for a specific movie
- Created an option to make reviews for the movie with a MySQL database to store reviews
- Created a filter to browse Movies for reviews

### C++ Data Structure Timer

Dec 2020

#### Individual Project

- Organized file input of ids to find the most efficient manner to search/insert ids
- Implemented data structure classes from the ground up (linked list, heap sort, hashmap, and bubble sort)
- Designed a program to time the data structures search and insertion times with ids and analyze results

### Store Simulator

Sep 2021

#### Group Project

- Used Java 8 to build a store that sells games with employees, cashiers, and game objects
- Employees sell and take inventory of games and game objects have various properties
- Implemented Design Patterns such as Strategy, Observer, and Decorator
- Exemplifies principles of Inheritance, Polymorphism, Cohesion, Identity, Encapsulation, and Abstraction

## Experience

### PricewaterhouseCoopers

Denver, CO

#### Risk Assurance Intern

Jul 2020 – Aug 2020

- Supported in the evaluations of internal controls, providing internal and external audit support
- Obtained a digital design certification

### University of Colorado Boulder

Boulder, CO

#### Research Assistant

May 2018 - July 2018

- Organized and presented data in R and STATA
- Wrote literature reviews for articles relevant to our research

### University of Colorado Boulder

Boulder, CO

#### Learning Assistant

Jan 2018 – May 2018

- Answered students' questions about a statistical software package in a lecture
- Held office hours to help students with statistics

## Skills

**Languages:** C1 Spanish and A2 Amharic