

Harold Jackson

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📄 <https://github.com/codecofee19>

Education

The University of Texas at Austin

B.S. in Computer Science, Turing Scholar and Polymathic Scholar

Austin

2015–2019

Relevant Coursework

CS Honors: *Data Structures and Algorithms, Discrete Mathematics*

Math: *Multivariable Calculus Honors*

Experience

WP Engine

Software Engineer Intern

Developed a full stack web application

Austin, Texas

Jun. 2016–Aug. 2016

- created a REST API using Django Framework
- ensured functionality of Django API with 86% code coverage
- implemented a modular dashboard using C3 Javascript library and bootstrap
- utilized the Agile process to accomplish project goals
- designed an architecture that allowed for an easy expansion of dashboard

Projects

Tetris Game and AI: *Designed and created a Tetris Game. Then, the program also used an artificial intelligence to solve the game*

Boggle Game: *Recreated the popular game Boggle in Java. It allows multiple players to guess different words on the board. Then, the using a recursive algorithm, it checks the words entered and displays all words did not find*

Web Crawler: *Created a program that scans through various web pages and parses them using the attoparser API. Then these web pages' words are stored within an inverted index. Finally, the user is able to run various queries to retrieve the desired web page*

Instagram Clone: *Created an application using the Instagram API. One can see different photos of people with information such as likes and usernames.*

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Software skills

Java: Intermediate

Python: Intermediate

Javascript: Intermediate

Git: Intermediate