

# Brenton Jackson

## Software Developer

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## RELEVANT EXPERIENCE

CoreView, Junior Software Developer \*Closed down operations in Atlanta in February 2020 - 2021

- Developed new homepage using **React** and making it responsive with CSS
- Implemented **auto bulk actions** for workflows, expanding core functionality and improving client efficiency
- Implement testing principles and update codebase by refactoring Enzyme tests with React testing library
- Refactored old React components using **React Hooks**, and developed front end bug fixes
- Researched new solutions and created POCs to demo for migration from React to **Angular**

Data Scientist, Georgia College and State University 2016 - 2016

- One of two students awarded a research grant to continue research in astrophysics over the summer with research advisor.
- I utilized Matlab to perform statistical analysis on X-ray source populations found from Hubble and Chandra space telescopes. This consisted of generating new catalogues of randomly-distributed sources according to different mathematical functions to analyze spatial correlations in Matlab, running the analysis, and verifying the validity of the results. I presented the results at the MURACE symposium.

## RECENT PROJECTS

Active Buddy (in progress)

- Next.js, PostgreSQL, AWS Amplify**
- Web app designed to help users measure progress and stay focused on long-term improvement and consistency
- Building data visualization dashboard that allows users to track and measure exercise metrics

Workout Manager <https://brentonjackson.me/projects>

- React, MongoDB, Express, Node.js**
- Designed/launched web app that allows users to keep track of their workouts and provides motivation to persevere
- Designed/implemented RESTful API to allow user to save, delete, update, and create new workouts

FitnessGram <https://brentonjackson.me/projects>

- JavaScript, CSS3, HTML**
- Developed site to motivate users to help motivate and hold themselves accountable while working out

## EDUCATION

Georgia Institute of Technology, Computer Engineering 2017 - 2020

Relevant Coursework:

Computing for Engineers (MATLAB)	Intro to Computing Systems (C, Assembly)	Engineering Software Design (C++)
Intro to Object Oriented Programming (Java)	Digital Signal Processing	Digital Systems Design
Circuit Analysis	Digital Design Lab	Calculus I
Calculus II	Calculus III	Linear Algebra
Differential Equations	Probability/Statistics	

## SKILLS

Languages: **JavaScript / TypeScript, Java, MATLAB, C++**

Technologies: **React, Angular, MongoDB, Express, Node, HTML5, CSS3, Azure DevOps, AWS Amplify**

Design: **Research, Wireframing, Digital mockups**