2661 College Knight Court
Orlando, FL, 32826

November 12, 2022

Home Depot,
Remote

Dear Hiring Team Director,

I would like to apply for the Software Engineering internship posted by Home Depot on Indeed. I am confident that my experiences as a developer will greatly assist your company.

As someone who is currently studying computer science at the University of Central Florida, I can fulfill the requirements needed to work as a software engineer. Throughout my academic experience, I became very well versed in Python, C, Java, and notably, Javascript. I have built many frontend projects utilizing React and Node.js. For example, I have built web applications that utilize APIs in one of my projects, Trivia Game. I also designed this web application using HTML and CSS. This is one of many personal projects that have given me plenty of experience managing websites and working with APIS which can be of use at Home Depot as a part of the front end engineering role.

I also have experience utilizing object-oriented programming to solve complex issues in my development career. For example, the Unity 3 engine utilized C# scripts which make use of polymorphism and object-oriented programming. In order to debug enemy AI movement in one of my projects, Dinosaur Run, I implemented object-oriented principles to utilize Unity's built in components as classes. This allowed me to create objects and modify them to simulate AI movement. From this experience, I learned how to utilize object-oriented programming to aid my development career, which can be useful at Home Depot .

Thus, I believe that I fulfill the requirements of the internship posting with my skills in front end development and object-oriented programming. Thank you for taking the time in reviewing my application. I will wait to hear back from you in regards to the internship. Should there be any questions or updates about an interview, call me at (561) 400-1305 or email me at brimatt062495@gmail.com.

Sincerely,

Brian Chang

Brian Chang

2661 College Knight Court, Orlando FL, 32826 | brimatt062495@gmail.com **|** (561)-400-1305 **| Github**

Education

University Of Central Florida	**Expected Graduation: December 2024**
Bachelor of Science in Computer Science	**GPA: 3.6**

Certifications

FreeCodeCamp Responsive Web Design | HTML, CSS, Flexbox, CSS Grid (2022)
FreeCodeCamp JavaScript Algorithms and Data Structures | Javascript, OOP (2022)
FreeCodeCamp Front End Development Libraries | React, Redux, Sass, Bootstrap, jQuery (2022)
MTA: Introduction to Programming Using Java | Java, Object-Oriented Programming (2021)

Technical Skills

Python, Java, C#, C, C++, HTML, CSS, JavaScript, JSX, React, Redux, Bootstrap, jQuery, SQL, Unity 3

Experience

Evercore Technology Partners | Software Engineering Internship (2022)
- Develop websites for clients at affordable prices using various frontend frameworks.
- Collaborate with fellow junior developers on large scale fullstack projects.
- Utilize backend development to create databases in mySQL and store user data.

Personal Projects

Portfolio | React/Vite Application (2022)
- Used React and Vite to create a portfolio website.
- Customized classes and components using Tailwindcss.
- Created unique components using Javascript and HTML.

Trivia Game | React Application (2022)
- Used React to develop an app that utilizes the Opentbd API to create a trivia game.
- Utilized Javascript and JSX to create components to randomly generate questions.
- Used HTML and CSS to style and design the application to make it user-friendly.

MySPIM | MIPS Machine Processor (2022)
- Collaborated with other students to create MySPIM, a MIPS processor replica.
- Uses the C language to fetch instructions and decode operations.
- Reads in machine code and calculates addresses written to a register.

Dinosaur Run | Knighthacks Hackathon (2021)
- Developed a fully functional, side-scrolling video game on the Unity3 engine.
- Used C# and object-oriented programming to create components and scripts.
- Built at the University of Central Florida's Knighthacks' 2021 Hackathon event.
- Collaborated with other developers to create assets and scripts.

Dungeon Game | canCode Hackathon (2021)
- Created a video game on Scratch that users can currently play on the Scratch.
- Developed at the 2021 canCode Hackathon and won the award of "Honorable Mention."