**Jineidy (James) Mak**

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**Johnson & Johnson**

**West Coast Development Program,**

I am a recent **new graduate** from the University of Florida in Electrical Engineering. I am applying for your West Coast Development Program position because I firmly believe that my background and skills in **hardware design, web application and software development** gives me the quality to fit the job role. I consider myself a strong and well rounded Electrical Engineer. I am familiar with analog, digital circuit theory, hardware design, control theory, computer architecture and FPGAs. However, my strongest skill is as a software developer. I particularly enjoy programming in C/C++ and JavaScript. My language of choice for FPGA programming is VHDL.

My most recent experience is in building a **custom web app** for a small startup, called MiCasa, that is located in Florida. MiCasa is a property management company of short-term rentals whose **business needs** were simple: build a web app to showcase property listings, allow users to find contact and business information, launch the app in the cloud with a custom domain, and implement a simple backend solution that can grab listings from a database. This web app was developed using **Angular 4** which connected to a **Firebase** backend for compute and database services. Other skills exercised included **HTML5, CSS/SASS, and TypeScript**.

During my time at school, I gained valuable experience through several research projects that centered around **application development** using **C/C++ and VHDL**. One research project involved creating a simple MIPS instruction set for a 32-bit processor and designing the processor architecture in VHDL. To test and validate the implementation of the 32-bit architecture.o After this project I wrote a basic compiler in C++ to design test cases for use in a FPGA simulator. This compiler came in handy in a future class I took.

Notably, **I won 5th place** (out of 24) for my completed senior design project that implemented a raw LED display and driver. This project incorporated the use of an AVR processor and several hardware components (transistor arrays, shift registers, power supplies, SD card modules, and Audio Amplifiers). **I created the software application for the driver in C/C++**. I also wrote simple games, including Tetris, in C/C++ that could be played on the LED display via this driver.

I have strong analytical skills and can learn new ideas very fast. I keep organized and I do know the importance of deadlines in the workplace. I enjoy teamwork and being able to work on creative solutions to meet business needs. Thank you for your consideration. You can get in touch with me by calling at***239-682-1443*.**

Thank You,

**Jineidy (James) Mak**