CONNOR DUPUIS

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering **Fall, 2021**
Bachelor of Science in Computer Engineering, GPA: *3.67* Gainesville, FL
Relevant Coursework:
Data Structures and Algorithms, Data Science, Software Engineering, Operating Systems, Digital Logic, Digital Design, Machine Learning, Database Systems, Microprocessor Applications

TECHNICAL SKILLS

Programming languages – *Experienced:* C++, C, Python, JavaScript | *Familiar*: Java, Flutter, SQL, & VHDL
Operating Systems – Windows, MacOS, & Linux

WORK EXPERIENCE

Raymond James – ***Development Intern*** **June 2021 – August 2021**

- Developed automated data collection and processing tools to generate reporting analytics
- Created queries and dashboards within ServiceNow for efficient data consumption
- Increased my team's sprint story throughput by 35% by effectively servicing issues and creating automated tools

NASA – ***L'SPACE Mission Concept Academy Scholar*** **May 2021 – August 2021**

- Conceptualized and designed a payload with intent to detect water on the surface and subsurface of the Permanently Shadowed Regions at the lunar South Pole
- Planned to use ground penetrating radar and a passive neutron spectrometer
- Initiated concept generation of orbital planning and payload instruments

Raymond James – ***Development Intern*** **June 2020 – July 2020**

- Began development of Natural Language Understanding chatbot to increase internal IT ticket turnaround time
- Serviced numerous internal IT tickets which were then used as data for the NLU chatbot

PROJECTS

Pastebles (Undergraduate Research) **August 2021 – December 2021**

- Creating modular wearable technology that utilizes ML, a microcontroller, and an IMU to predict current action (ie. bicep curls, side lunges, sitting, etc.)
- Used TensorFlow to create and train a model which is then hosted on a ESP32 microcontroller
- Developed software that allows the ESP32 and IMU to communicate and make inferences about the data

Rapid Model Predictor (Undergraduate Research) **August 2021 – December 2021**

- Developing a machine learning model that bypasses the need for time consuming SPICE like simulations that are required for accurate Deep Brain Stimulation
- Utilizing TensorFlow and HiperGator (UF's supercomputer) to create and train model

Next Generation UI **August 2020 – May 2021**

- Worked with Raytheon to develop a new front-end dashboard to query and display any type of document from their internal database system

Scanned LLC **September 2016 – December 2019**

- Developed IOS, Android, and Web apps to support 750+ users
- Won $10,000 and first place in the Next Generation Tech startup competition
- Accepted into the Gator Hatchery at the University of Florida