

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.
- Plans 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

Pastables (Undergraduate Research)

August 2021 – January 2022

- 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 inference about data

Rapid Model Predictor (Undergraduate Research)

August 2021 – January 2022

- 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 the 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