WESLEY S. BOYD

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering   **Gainesville, FL**
Bachelor of Science in Computer Engineering, Magna Cum Laude   *May* 2021

GPA: 3.68/4.00

Relevant Coursework: Microprocessor Applications**,** Digital Design, Digital Logic, Operating Systems, Signals and Systems, Software Engineering, Information and Database Systems, Programming 1 & 2, Data Structures and Algorithms, Computer Organization, Discrete Structures, Linear Algebra, Introduction to Data Science, Performant Programming in Python, Circuits

TECHNICAL SKILLS

Programming
- C++, Python, Embedded C / AVR assembly, MATLAB, Java, Node JS/React web development, Git
- FPGA development: VHDL, Quartus and ModelSim

PROJECTS

Velocity Vector Plugin
Description: Practice advanced Rocket League mechanics with velocity vector projections on the ball and car
Code: https://github.com/wboyd600/VectorsPlugin
Install: https://bakkesplugins.com/plugins/view/262, ~700 downloads

Additional Projects:
Reddit Export: https://github.com/wboyd600/RedditExport
   -Python script that copies subreddit subscriptions, saved submissions, and saved comments to new account
2-D Racer in Python: https://github.com/wboyd600/Karting-Pros
Scrum Master, Biotork web-app: https://github.com/wboyd600/Biotork-Website

EXPERIENCE

Texas Instruments   **Houston, TX**
C2000 Systems Software Team Intern   June – August 2020
- Configured test machine, automated tests for the F2800x Potenza library
- Created example of freedom from interference using the Dual Code Security Module

Undergraduate research, UF   **Gainesville, FL**
Game Development   *January* – April 2021
- Research and integration of Wasmer web assembly module in Minetest solution
- Improve Minetest build process automation, documentation

INVOLVEMENT

Sigma Chi Fraternity
- Annotator – communicating information from executive committee, speeches

ADDITIONAL DATA

Talents/Experiences: Spanish Proficiency, foreign exchange in Spain, hosting exchange students from Europe and South America, customer service