

# RICHARD WILLIAM McCOY (WILL)

[willway@outlook.com](mailto:willway@outlook.com)

8042 Lakecrest Drive, Jacksonville, FL 32256

(904) 228-3384

---

## Education

### **University of Florida, Class of 2024, Gainesville, FL**

- Student of Bachelor of Science in Electrical Engineering, University of Florida
- Student of Bachelor of Science in Computer Science, University of Florida
- Overall GPA: 4.0, Major GPA: 4.0
- **Relevant Coursework:** Calculus III, C++ Programming, Linear Algebra
- **Current Semester's Relevant Coursework:** Differential Equations, Discrete Mathematics, Engineering Statistics, Professional Communications for Engineers, Undergraduate Research

### **Stanton College Preparatory School, Class of 2020, Jacksonville, FL**

- International Baccalaureate Diploma Programme graduate
- Weighted GPA: 4.94
- **35** on ACT; **1530** on SAT (770 Math and 760 Evidence-Based Reading and Writing)
- **Relevant Coursework:** AP Calculus AB and BC, AP Physics C Mechanics and E&M, AP/IB Computer Science (Java), AP/IB Physics 1&2, AP Statistics, AP/IB Chemistry

---

## Work Experience

### **Winsight – Programming Job (To Current Date)**

- Working for startup which seeks to integrate live streaming into youth sports.
- Coding for website, mobile app, and backend (React, React Native, and AWS respectively).
- Remote worker, part time, 5-10 hours per week.

### **Duos Technology - Engineering paid internship (Summer 2020)**

- Shadowed Electrical Engineers, where working on a product which "scanned" rail cars for defects.
- Worked on ground truth team label images of rail cars.
- Wrote program on Raspberry Pi which provides a HTTP REST API to control lights in the scanner.

### **US Navy - Science and Engineering Apprenticeship Program (SEAP) paid internship (Summer 2019)**

- Shadowed Mechanical, Electrical, Chemical, and Material Engineers at the Fleet Readiness Center Southeast at Naval Air Station Jacksonville.
- Wrote computer program to analyze time lapses of lengthy chemical reactions to determine their completion.
- Delivered presentations of findings and experiences to engineers and other interns on a biweekly basis.

### **Genesee-Wyoming Railroad Company - Internship (Summer 2018)**

- Shadowed several engineers while learning about the workings of their department, railroad track maintenance, and railroad regulations.
- Engaged with engineers on civil engineering in the railroad industry and the digital modeling of planned track.

---

## Activities and Achievements

### **Eagle Scout – Boy Scouts of America**

- Member of North Florida Council Troop 27 from 2013 to 2019
- Leadership positions include Senior Patrol Leader, Scribe, Troop Guide, Instructor, and Assistant SPL

---

## Awards and Honors

- **2020 National Merit Scholar** – Recipient of the Florida Benacquisto Scholarship (Full Ride) to the University of Florida
- **National AP Scholar and AP Scholar with Distinction** - Score of 5 on sixteen AP Exams

---

## Additional Skills

- Data analysis using Excel and other spreadsheet programs
- Fluency: Java, C, C++ and the Linux Shell; Competency: BASIC, JavaScript/TypeScript
- 3D modeling and printing
- Understanding of intermediate circuit design
- Proficient in using microcontroller programming, via Arduino, to create higher-functioning circuits

---

## Community Service

- Buddy at Camp I Am Special in the summers of 2017, 2018 and 2019 for a total of 363 service hours
- Led own Eagle Scout Project to construct two dugouts for Holy Family Catholic School, as well as other various Eagle projects, including installing and painting fences and building benches