

## José Hernandez

(478) 331-2765

2301 Vanderbilt Place, Nashville, TN 37235

[jose.c.hernandez@vanderbilt.edu](mailto:jose.c.hernandez@vanderbilt.edu)

### EDUCATION

---

#### Vanderbilt University

*Mechanical Engineering, Computer Science*

Nashville, TN

Expected 2027

##### **Course Highlights**

CS 1101- Programming and Problem Solving (Java)

CS 2201- Data Structures and Analytics

ME 1151 - Laboratory in Machining

#### Swainsboro High School

*Salutatorian*

Swainsboro, GA

May 2023

#### East Georgia State College

*Dual Enrollment Student, GPA: 4.0*

Swainsboro, GA

Jan 2020-2023

### EXPERIENCE

---

#### Idea 7, Inc.

Jan 2023-June 2023

Stillmore, GA

*CAD designing/Productivity Enhancement*

- Utilized CAD software extensively to create detailed designs for productivity boosters [designing French Cleats and French Cleat accessories]
- Increased productivity by facilitating the access tools and make certain productivity is upheld.

#### Foskey Turf Farm, Inc.

June 2021-Aug 2022

Adrian, GA

*Machine Operator*

- Operate and repair variety of machinery for turf processing and maintenance
- Harvest and store crops (e.g., cotton, corn) for nation- wide sales

### LEADERSHIP & ACTIVITIES

---

#### Swainsboro High Band of Gold

*Section Leader*

August 2019-Present

Swainsboro, GA

- First chair trumpet player for concert band
- Leader of trumpet section for 8-hour weekly practices during the SHS football season
- Prepare members of SHS marching band to perform halftime show for SHS football games and for parade routes

### TECHNICAL SKILLS/ PROJECTS

---

#### Computer Science Skills/Projects

**Programming Languages:** Java | Python | JavaScript | HTML/CSS

**Selected CS Projects:** <https://github.com/JOSE-hernandez05>

##### **Personal Website:**

- Created and designed a personal website that displayed current/future projects made using HTML, JavaScript, and CSS

#### Mechanical Engineering Skill/Projects

##### **Fusion/SolidWorks:**

- Designed and produced prototype of a “sand battery” which consisted of a tank, and fluid powered generator

##### **1987 Drag Racing Car:**

- Modified 1987 Pontiac Firebird: turbocharged 305 Chevrolet small block, rebuilt engine (head studs, self-ported heads), "blow-by carburetor," upgraded fuel/cooling/drivetrain.