

# Larry B. Rentz Jr

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## EDUCATION

### Bachelor of Science in Computer Engineering

University of Florida, Gainesville, FL

Relevant Coursework: Programming I, Calculus I/II, Computer Aided Graphics and Design, Physics I

May 2021

GPA: 3.47/4.00

## SKILLS

Java (Intermediate), HTML (Beginner), Python (Beginner), C# (Beginner), SolidWorks (Intermediate), AutoCAD (Beginner), JavaScript (Intermediate), Swift (Beginner)

## INVOLVEMENT

### Active Member, UF National Society of Black Engineers (NSBE)

Gainesville, FL | **August 2017-Present**

- Collaborated with partner to develop backend of web application that assists college students with time management using Python and Flask for NSBE's Region III Fall Regional Conference Hackathon
- Attended Hactivist Workshop Series and gained knowledge in programming, web design, and application design
- Participated in Mentorship Program pairing up with upperclassman engineer mentor in order to acclimate to university environment and seek professional and academic advice as well as social involvement

### Team Member, UF Human Powered Vehicle Club

Gainesville, FL | **August 2017-Present**

- Cooperated with two partners to design and build the display interface for the vehicle using an Arduino controller
- Prototyped C# program to load onto an Arduino microcontroller to support automatic gear shifting
- Performed machine preparation and TIG welding on test body to prepare for vehicle chassis assembly

### Active Member, UF Association of Computer Engineers (ACE)

Gainesville, FL | **October 2017-Present**

- Participated in Mentorship Program to grow more involved if UF's Computer Engineering and Science communities
- Involved in various club workshops and socials as well as community outreach to schools and retirement homes
- Promoted to Active Member status through consistent event and activity attendance and general involvement

### Participant, UF STEPUP Program

Gainesville, FL | **June 2017-August 2017**

- Participated in summer bridge program for freshman engineer majors to better facilitate college transition
- Learned basic modeling techniques using computer programs such as AutoCAD and Solidworks
- Collaborated with two teammates on an interdisciplinary engineering team tasked with designing, building, and programming a robot arm using Vex and Robot C to produces a visual representation of binary data

## EXPERIENCE

### Team Member, Pizza Hut

Waldorf, MD | **February 2016-May 2017**

- Communicated effectively with customers to ensure accurate orders and responses to questions or concerns
- Worked with other team members to provide quick and efficient food preparation for customers

### Treasurer, Westlake High School NHS

Waldorf, MD | **September 2016-May 2017**

- Fundraising Chair, responsible for connecting with community contacts to seek funding for events and programs
- Offered tutoring to students experiencing difficulties in various high school level subjects, primarily mathematics
- Assembled bags of non-perishable food items and toiletries for Food Pantry and distributed them to families in need

### Volunteer, Alfred Street Baptist Church

Alexandria, VA | **March 10, 2018**

- Worked in a group of 3 to improve the property conditions of one of our elderly church members

## AWARDS

- UF Herbert Wertheim College of Engineering Dean's List for Fall 2017