Carlos E. Ricoveri

github.com/carlosricov/ | carlos.ricoveri.cpe@gmail.com | (954) 871-3928

Education

University of Central Florida	*Graduated: May 2021*
Bachelor of Science in Computer Engineering	*GPA:* **3.5**

Technical Skills

· Programming (Python, Java, HTML, CSS, PostgreSQL)	· Agile	· Docker
· AWS	· Github, Git	· Back end engineering

Work Experience

American Express - *Software Engineer*   *Aug 2021 - Present*
· Apply Java asynchronous and functional programming via IntelliJ to help carry out digital microservices close to real time
· Adhere to Agile methodologies while following a CICD project pipeline structure that incorporates Jenkins
· Interact with and implement more than 100 dependencies through the use of Maven

Major League Hacking - *Production Engineering Fellow*   *Jun 2021 - Aug 2021*
· Selected as part of a batch of 100 fellows from a pool of more than 2,000 applicants
· Networked and collaborated with 14 individuals spread out across 4 different timezones
· Managed a cloud-hosted portfolio website via terminal featuring Docker, Postgres, and Nginx reverse-proxying

University of Central Florida - *Global Expert*   *Jan 2020 - Apr 2021*
· Established professional contact with students from over 50 countries using Outlook and Skype
· Assisted more than 1,000 students with program, technical, and general inquiries via email and phone
· Expedited student requests by communicating via Teams and Skype with different university departments

Universal Orlando - *Merchandise Specialist*   *Apr 2018 - Mar 2019*
· Exceeded weekly sales goals consistently which generated an increase in weekly profits by 25%
· Applied excellent guest service in both English and Spanish to more than 10,000 guests of different backgrounds
· Identified errors in our point-of-sale system which saved the company over $1,000 in sales

Projects

Flask Portfolio Website - *Production Engineer*   *Jun 2021 - Aug 2021*
· Developed a Flask website using Python, HTML, and Bootstrap 3 CSS that runs within a Docker container
· Deployed the website remotely on an AWS EC2 cloud instance running on a CentOS 7 Linux environment
· Upgraded the website to feature a register and login page that makes use of a database with latencies under 0.2 seconds
· Crafted a bash script that tests the website's endpoints in less than 1 second

TAG Bot - *Microcontroller Programmer*   *Aug 2020 - Apr 2021*
· Collaborated with 3 electrical engineers in the creation of a physical therapy robot that incorporated computer vision
· Programmed a custom printed microcontroller using the Arduino IDE to make use of over 5 different onboard components
· Implemented Bluetooth communication between the microcontroller and a Pi 3 with a total latency of just under 1.5 seconds
· Debugged both software and hardware to correct robot movement by around 10 degrees

Automated Student Record Updater (ASRU) - *Lead, Programmer*   *May 2020 - Jul 2020*
· Designed an automated program for my Global Expert job using Python that automatically updates student records
· Supported over 20 different commands depending on what fields to update within the student the records
· Optimized my team's work time by reducing the time spent updating student records by 97%

Campus Involvement

IEEE UCF - *Professional Development Chair*   *Aug 2020 - Apr 2021*
· Hosted an engineering diversity panel featuring 5 professional engineers with an attendance of more than 15 members
· Assisted more than 400 student members with professionalism advice and resume critiques

Theta Tau Professional Engineering Fraternity - *Social Board, Pro Dev Board*   *Nov 2019 - Apr 2021*
· Created and captained 4 intramural sports teams leading a combined player count of over 20 players
· Co-facilitated events that promoted professionalism to more than 60 active members

Community Service

Care Package for Venezuela   *May 2018 - Jul 2018*
· Organized a fundraiser to construct and send a care package to aid communities in Venezuela
· Raised over $500 on GoFundMe to purchase food and supplies