

# OSCAR LOPEZ

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## EDUCATION

### THE UNIVERSITY OF GEORGIA

B.S. Computer Science, GPA: 3.3

Athens, GA

December 2020

## EXPERIENCE

### RAMSEY CENTER, UNIVERSITY OF GEORGIA

Athens, GA

Facility Tech Program Assistant (promoted)

Feb 2019 - Present

- Oversee employee schedules, conduct technical training for facility technicians, and report to the Coordinator of Facilities.
- Responsible for 120+ gym machine maintenance by calling vendors for part information, price quotes, and understanding the various informational documents related to machines.

Facility Technician

Oct 2017 - Jan 2019

- Proactively learn advanced solutions to fix machines by working with a Program Assistant, asking management for additional training, and documenting solutions.

### NASA HEADQUARTERS

Washington, D.C.

Mission Support Web Development Intern

June 2017 - Aug 2017

- Collaborated with 3 interns to gather requirements, propose, and develop a software solution to shorten the Office of the Chief Financial Officer's onboarding process using Confluence.
- Implemented 2 web pages by documenting user needs, organizing information, and testing for bugs.
- Presented software solution PowerPoint to leadership in the Office of the Chief Financial Officer.

## SOFTWARE ENGINEERING PROJECTS

**Web Scraping Program:** Using Python3, Multiprocessing, and the Pandas library, I developed an automated program to retrieve hundreds of gym equipment prices from a vendor's commercial website and imported this data into a Microsoft Excel sheet to improve inventory control and gym equipment ordering.

**E-Commerce Movie Website:** Using Scrum methodologies, Java, and MySQL, I led a four-person team to develop a website capable of displaying movies in the theaters, allowing administrative privileges, storing user faux-payment information, and booking a movie ticket.

**Social Media Website:** Using Python3, Flask, and SQLite, I created a social media website capable of allowing users to create accounts and add posts, allowing admins to suspend users and remove posts, and storing and encrypting user information into a database.

## SKILLS

**Accomplishments:** Code2040 Finalist, Zell Miller Scholarship Recipient, Achieved a 5/5 on the AP Calculus Exam

**Technical Skills:** Advanced Java, Advanced C and C++, Advanced Python, Advanced HTML/CSS, Intermediate JavaScript, MATLAB, Intermediate MySQL, Advanced Bootstrap, web scraping, data analysis, requirements gathering, QA testing, debugging, GUI prototyping, Microsoft Office Suite, uWSGI

**Software:** Confluence, Jira, AutoCAD, Github, Slack, Eclipse

**Related Coursework:** Computational Engineering Methods, Computing Ethics, Data Structures, Software Engineering, Software Development, Engineering Graphics, Systems Programming, Web Programming

**Languages:** Advanced Spanish, Intermediate French

## ACTIVITIES

Improv Athens / On The Spot Improv

Jan 2020 - Present

- Participate in weekly sessions to practice improvisation