

Johncarlo Cerna

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Education

University of Florida

B.S. in Computer Science, Cum Laude. GPA: 3.68

Gainesville, Florida

December 2019

Broward College

A.A in Computer Science. GPA: 3.8

Davie, Florida

June 2016

- Received Associate's degree simultaneously with high school diploma.

Experience

Civic Digital Fellowship - US Citizenship & Immigration Services

Software Engineer Fellow

Washington D.C.

June 2019 - August 2019

- Developed and deployed 29 features for GLOBAL, the case management system for US asylum officers.
- Created and oversaw development of user stories to improve product UI/UX.
- Wrote frontend, backend, and database tests, improving overall product test coverage.

Microsoft

Explore - Software Engineer & Product Management Intern

Bellevue, WA

May 2018 - August 2018

- Proposed new feature ideas for the Power BI Desktop product prioritizing balanced consumer impact and complexity.
- Developed word wrapping feature for Power BI visuals in Typescript, HTML, and CSS.
- Met with clients and answered questions as an Expert at the Microsoft Business Applications Summit.

NASA Armstrong Flight Research Center

Software Engineering Intern

Edwards, CA

January 2018 - May 2018

- Developed data acquisition iOS app for experimental PRANDTL-D aircraft.
- Defined product requirements and mission concept for project.
- Implemented high accuracy sensor logging with write speeds tested up to 1000 Hz.
- Automated .CSV exporting and analyzed flight data with 100,000+ readings.

Motorola Solutions

Embedded Software Engineering Intern

Plantation, FL

June 2017 - August 2017

- Automated tests to save 10 hours of manual testing per week
- Conducted and automated overlay, functionality, pairing, and stress testing for radios and Fusion body cameras.
- Developed device code for Android Nougat external storage paths and notification buttons.

Projects

Teachr

Fullstack Engineer & Product Manager

Gainesville, FL

August 2018 - December 2018

- MEAN Stack website that keeps track of office hours locations and times for courses taught at UF.
- Created Mapbox layer, developed course listings on map area, and fixed bugs during development period.

Leadership

UF Hispanic-Latino Affairs

HLA Ambassador

University of Florida

January 2019 - May 2019

- Staffed La Salita, UF's Hispanic-Latino center on campus.
- Organized Spanish, Portuguese, and cultural enrichment workshops for students.
- February HLA Ambassador of the month.

UF First Time Programmers

Director of Mentorship

University of Florida

March 2017 - April 2018

- Coordinated 50 UF upper-level and first-year students in mentorship initiative providing academic and career insight.
- Orchestrated Mentor Matching program through stable matching algorithm.
- Created study guides, crash courses, and information resources for students.

Honors & Awards

2019	Smithsonian Recognition , Autograph to be on display at National Air and Space Museum	Washington D.C.
2017	Google Games , Placed 1st in Word Association and 4th overall out of 40 teams	Gainesville, FL
2017	Microsoft Scholarship Award , Won multiple scholarships from Microsoft	Gainesville, FL
2017	Qualcomm Hackathon Winner , QHacks Best Internet of Things Hack	San Diego, CA
2016	Presidential Scholars Candidate , 0.06% Acceptance Rate Nationwide	Washington, D.C.