

# Joshua Misura

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## Education and Awards

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**University of Florida**, Gainesville, Florida

May 2019

Bachelor of Science in Geomatics, Specialization in Geospatial Analysis

## Professional Experience

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**Leidos**

May 2019-Present

**Geospatial Analyst** at National Geospatial Intelligence Agency

- Manage a team of 5 to produce a global coastline map
- Extract coastline boundaries from satellite imagery
- Research political boundaries to complete international boundary maps

**Atkins Global**

May-Aug 2017

**Land Survey Intern**

- Create topographic surveys as Instrument Person
- Perform quality control on AutoCAD map drawings
- Operate Leica Terrestrial LiDAR Scanner

**CAE USA**

May-Aug 2015, May-Aug 2016

**Software Engineering Intern**

- Create program to assign resources to projects with C# and web database queries
- Program macros with VBA language to assist with internal operations

## Coursework

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**Senior Project** - Processing stereo 3D images using semi global matching and coded with Python and OpenCV Computer Vision

**Photogrammetry 1 & 2** - Create and analyze stereoscopic images

**UAS Mapping** - Conduct mapping missions with drone based LiDAR and imagery

**Introductory Programming Courses** - Java, C++, C, MatLAB

**Marine Geomatics** - US Army Corps field introduction with sonar mapping