

# DUNSHEE, Ian Cole

## Archaeological Field Technician, Specialist in applications of Geographic Information Science in Archaeology

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**Valid passport?** Yes | **Valid State Driver's License, Personal Vehicle, Will relocate** Yes

### RECENT WORK EXPERIENCE

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January 2018 – September 2018 **Fulbright Grantee** – University of Iowa (Iowa City, Iowa)/University of the French West Indies (Schoelcher, Martinique); Full-time

- Independently managed and executed a project to create the first database of photogrammetric models (including macro models), basic measurements, and GIS related data at the majority of sites in Martinique and St. Lucia containing cupule-bearing rocks, petroglyphs, or historic engravings

January 2017 – December 2017 **Historic Resource Specialist** – Conservation Corps of Minnesota and Iowa and the Minnesota Department of Natural Resources Region 2, Grand Rapids, Minnesota; Full-time

- Designed, budgeted, directed, and led a project to preserve, manage, and store all historic holdings of the Minnesota DNR in Region 2 from two historic iron mine sites

June 2016 – September 2016 **Research Assistant** – University of Iowa, Department of Geographic and Sustainability Sciences; Full-time

- Designed and constructed a drone for the collection of aerial photos; documented and developed data processing workflows in ArcMap 10.4
- Served as assistant lidar technician for the Iowa City Beer Caves Scanning Project

### EDUCATION

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August 2012 – August 2016 **Bachelor of Science in Anthropology (specialization in Archaeology), Bachelor of Arts in French, Minor Certificate in GIS (Geographic Information Science)** – University of Iowa – Honors Thesis: [https://ir.uiowa.edu/honors\\_theses/5/](https://ir.uiowa.edu/honors_theses/5/)

- Graduated with honors and distinction: GPA 3.93 overall/4.07 Anthropology
- Designed and developed my own terrestrial lidar scanner
- Exchange student at the University of the French West Indies (Schoelcher, Martinique) 2014-2015 to study Pre-Columbian archaeology
- GIS coursework included: Cartography, Interpolation, Predictive-Modeling, Raster and Vector-based analyses, compiling data from federal and private sources, lidar, more

### PRIMARY SKILLS

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- Relational database, geodatabase management best practices
- Digitization and vectorization (image tracing) of historical documents best practices
- The use of theodolite, GPS, photogrammetry, lidar, and GIS in archaeology including Leica (Scanstation) and Trimble (R2) units with TerraSync
- Project management and grant writing

### COMPUTER SKILLS

**Erdas Imagine:** Intermediate  
**AgiSoft Photoscan:** Advanced  
**ArcGIS 10.4+:** Advanced  
**Leica Cyclone:** Intermediate  
**Microsoft Office:** Advanced  
**Trimble Pathfinder:** Intermediate

### LANGUAGES

(Human) **English** (native speaker)  
**French** (level C1, advanced/fluent)  
**Martinican Creole** (level A1/A2, beginner)

(Programming) **Python** (Intermediate)  
**C++** (Intermediate)

## REFERENCES

(All ok to contact)

**Adam Skibbe** – GIS Administrator, Department of Geographic and Sustainability Sciences, University of Iowa

 +1 515 708 4497  adam-skibbe@uiowa.edu

▪ Former supervisor (Research Assistant position), familiar with GIS skills and work ethic

**Dr. Marc Linderman** – Associate Professor, Department of Geographic and Sustainability Sciences, University of Iowa

 +1 319 335 1451  marc-linderman@uiowa.edu

▪ Former supervisor (Research Assistant position) and former instructor/mentor, familiar with GIS skills and GIS education

**Cathy Handrick** – Regional Resource Specialist, Minnesota Department of Natural Resources Region 2 Headquarters

 +1 218 301 7161  cathy.handrick@state.mn.us

▪ Former supervisor (Historic Resource Specialist position), familiar with work ethic and archival skills

**Dr. James G. Enloe** – Professor, Department Chair, Department of Anthropology, University of Iowa

 +1 319 335 0514  james-enloe@uiowa.edu

▪ Undergraduate honors thesis advisor, archaeological field school director, familiar with archaeological skills and work ethic