

# MATTHEW JAMIESON



[www.jamieson-cartography.com](http://www.jamieson-cartography.com)

SANTA CRUZ, CA

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## EDUCATION

### University of California Santa Cruz

2012 - 2014

#### Master of Fine Arts (MFA)

Santa Cruz, CA

*Study: Digital Arts and New Media*

*Focus: Participatory Culture & Environmental Art*

### Hunter College

2008 - 2011

#### Graduate Certificate

New York, NY

*Study: Geographic Information Systems*

### University of Guelph

1998 - 2002

#### Bachelor of Arts Honors Program (BA)

Guelph, ON, Canada

*Study: Geography*

*Focus: Geographic Information Systems & Human Geography*

## SELECTED EMPLOYMENT

### Revell Coastal

05 / 2017 - Current

#### GIS Analyst

Santa Cruz, CA

Conducting GIS analysis and providing graphical / written support in the development of coastal hazard and risk assessments.

### The Center for the Study of the Force Majeure

05 / 2017 - Current

#### Artist Assistant

Santa Cruz, CA

Providing GIS analysis and art making in support of environmental art projects for the arts research center lead by professor Newton Harrison.

### Apple Maps

01 / 2017 - 05 / 2017

#### Data Sourcing Analyst

Sunnyvale, CA

Provided GIS data research, data management, comparative data analysis, and vendor management support.

### University of California Santa Cruz

08 / 2012 - 06 / 2014 & 09 / 2016 - 12 / 2016

#### Teaching Assistant

Santa Cruz, CA

Led undergraduate artist studios, labs, and seminars by giving tutorials and providing individual technical assistance in design, web development, and fabrication. Conducted lectures, led reading discussions, and graded tests and assignments for UCSC's Arts Division, Film and Digital Media, Games and Playable Media, and School of Engineering.

## U.S Geological Survey

11 / 2014 - 11 / 2016

### GIS Contractor

Menlo Park, CA

Conducted GIS analysis in the development of scientific reports for the Western Geographic Science Center's Natural Hazards Research Team. Created automated geoprocessing tasks using ArcGIS's ModelBuilder and python scripts. Created online interactive data visualizations of our analysis using modern web technologies and database structures. Provided graphic design support for members of the WGSC team, including designing conference posters, graphics for journal articles, informational brochures, and website graphics.

## New York City Department of Parks and Recreation

01 / 2008 - 12 / 2011

### GIS Specialist

Flushing, NY

Provided GIS support to park designers and engineers to assist with park capital improvements and construction efforts. Conducted geospatial analysis for the park planning office in order to determine citywide park needs. Provided day-to-day GIS support to staff, lead GIS training seminars and created training documents specific to the needs of the division. Created maps and graphics for park signage and publications. Conducted site visits to verify park features and needs.

## MicroData 911

02 / 2005 - 11 / 2006

### GIS Technician

St. Johnsbury, VT

Worked with field technicians and municipal officials in order to create geospatial data for improved 911 emergency response. Conducted quality assurance audits and post-processed field data to ensure accurate geo-data and addressing for enhanced 911 services. Helped supervise a 911 information call center and acted as a troubleshooter for software issues.

## Gagnon Law Urban Planners

11 / 2002 - 03 / 2003

### Junior Urban Planner

Brampton, ON, Canada

Researched and collected information relevant to official plan designations, zoning, and site information to help senior planners process zoning by-law amendments, subdivision plans, and other planning requirements. Conducted site visits, attended public meetings, and communicated with municipal staff, clients, and outside agencies regarding project milestones.

## ***FREELANCE, VOLUNTEER & INTERNSHIPS***

## Jamieson Cartography

2012 - Present

### Cartographer, Graphic Designer, Web Developer

Providing consulting services in cartography, GIS analysis, graphic design, and web development for clients such as the *Center for the Study of the Force Majeure* and the *Earth Lab* at UCSC.

## Un Techo Para Chile

05 / 2007 - 07 / 2007

### Volunteer

Santiago, Chile

Worked with office and field staff in creating a GIS workflow to assist in locating rural *campemento* communities in need of essential services. Taught English as a second language to elementary school aged children. Helped construct temporary housing structures for families in need.

**Volunteer**

Santiago, Chile

Provided GIS guidance for graduate students and conducted land change analysis at the environmental research lab for a project studying the urban heat island effect in Santiago, Chile.

**Student Conservation Association**

09 / 2003 – 01 / 2005

**SCA Intern**

St. Marks National Wildlife Refuge

St. Marks, FL

Assisted in biological research related to locating and tagging endangered species and habitat restoration. Created maps for refuge plans, brochures, information kiosks, and conducted GIS analysis for published reports.

**Selected Teaching Experience, Lectures, Exhibits, Publications, and Awards**

For a full list go to: [www.jamieson-cartography.com/experience.html](http://www.jamieson-cartography.com/experience.html)

**PROFESSIONAL SKILLS**

**SOFTWARE**

**GIS**

- ArcGIS
- QGIS
- Scripting in:
  - UNIX / GDAL
  - Python / ArcPy

**CAD**

- AutoCAD

**TABULAR**

- Excel

**3D**

- Blender
- SketchUp
- Vue

**DESIGN**

- Photoshop
- Illustrator
- InDesign

**DATABASE**

- SQL

**DEVELOPMENT**

**ENVIRONMENTS, CMS & WEB**

- HTML
- CSS
- JavaScript
- jQuery
- D3.js
- P5.js
- Leaflet
- Mapbox Studio
- WordPress
- Amazon Web Services
- Tableau

**HARDWARE**

**GPS**

- Trimble Products

**FABRICATION**

- Arduino, Sensors, GPS

**LANGUAGES**

- Spanish

**REFERENCES**

**Nathan Wood**

Address: 2130 SW 5<sup>th</sup> Av, Portland, OR

Relationship: *Principal Investigator at USGS*

Phone: *removed for web*

**Mara Tongue**

Address: 345 Middlefield Rd, Menlo Park, CA

Relationship: *Team Chief at USGS*

Phone: *removed for web*

**Newton Harrison**

Address: 335 Linden St, Santa Cruz, CA

Relationship: *Graduate Advisor at UCSC*

Phone: *removed for web*