

# Tyler Packett



## Company Role

Technology and Innovation Lead

## Project Role / Focus Areas

- Lead Technical Team on delivery of scope of work
- Identify technical challenges and gaps
- Advise team on best-management practices for utilization of GIS and related technologies

## Education

- M.S. – Homeland Security, GIS Focused, San Diego State University - 2014
- B.A. – Geography, GIS and Decision Support, University of Hawaii - 2011

## Registration / Certification

- Certified ArcGIS Desktop Professional 10.3 (2015)
- Emergency Medical Services Leadership Recognition (2012)
- Geospatial-Intelligence Agency Graduate Scholarship Award

## Professional Membership

- All Hazards Disaster Expert Group
- Haiti MPHISE (Medical and Public Health Information Sharing Environment): Contributor: Geospatial analysis and mobile application development.
- Resilience System: System Administration & GIS support.
- Global Disaster Forum: Website Developer and content manager

## Experience Profile

Tyler Packett, is Evari GIS Consulting, Inc. (Evari)'s Technology and Innovation Lead. He provides guidance to Evari's internal IT team comprising of one GIS Administrator, 3 GIS Analysts, and 2 Project Managers. Tyler has 10+ years of experience working with ESRI ArcGIS and associated extensions, and 4+ years of experience in the administration of City Enterprise-level GIS environments. He is highly skilled at providing visual representations of spatial and non-spatial data in order to allow for clearer communication, stronger visual engagement, increased understanding, and faster/better decision making. Experienced in development and support of data visualization techniques, tools, and analytics using JAVA, JavaScript, SQL and Python Scripting, Tyler is a problem solver with proven experience working within tight deadlines. Some recent recognitions and awards that Tyler has earned include an Emergency Medical Services Leadership Recognition (for creating a series of Skilled Nursing Facilities maps/datasets critical for disaster preparedness), and the GeoSpatial Intelligence Agency Graduate Scholarship Award for work done using advanced GIS and remote sensing techniques to determine the vulnerability of Hawaii communities road infrastructure. Tyler is proud to have employed GIS technology in order to contribute to resilience and disaster relief systems. As an active member of the All Hazards Disaster Expert Group, he focused on developing effective, agile responses leveraging government, NGO, and business sectors. He is inspired to empower businesses and governmental agencies to arrive at better decisions through the effective implementation of GIS, data visualization, and analysis.

## Professional Experience

Evary GIS Consulting, Inc.	2018 - Present
<ul style="list-style-type: none"><li>• <i>Technology and Innovation Lead</i></li></ul>	
City of San Diego via Quartic Solutions LLC	2014 - 2018
<ul style="list-style-type: none"><li>• <i>Enterprise GIS Administration</i></li></ul>	
Resilience System – Health Initiative Foundation Inc.	2009 - 2015
<ul style="list-style-type: none"><li>• <i>Digital Communications, GIS Visualization and Web/Mobile Mapping Development</i></li></ul>	
County of San Diego Health & Human Services Emergency Medical Services	2013 - 2014
<ul style="list-style-type: none"><li>• <i>Spatial Epidemiology Analyst – Graduate Intern</i></li></ul>	
HALO Counter-Terrorism Summit	2012
<ul style="list-style-type: none"><li>• <i>Technical Support</i></li></ul>	
College of Business and Economics, University of Hawaii, Hilo	2008 - 2012
<ul style="list-style-type: none"><li>• <i>Computer Technical Support and Software Training</i></li></ul>	
Homeland Infrastructure Foundation	2010
<ul style="list-style-type: none"><li>• <i>Working Group Support</i></li></ul>	

**2018 – Present Innovation and Technology Lead.** Reporting to the Chief Executive Officer (CEO), the Technology Lead is responsible for all technology solutions and innovation efforts. He is a member of Evari's Leadership Team, alongside the Financials Lead, Business Development Lead and Operations Lead. The Technology Lead is responsible for proactively scaling Evari GIS Consulting's software and hardware resources to meet the current and future demands of the business and its clients. The Technology Lead is responsible for managing a comprehensive array of services and programs. The Technology Lead reviews on an ongoing basis the services being offered and works to develop new programs/initiatives as needs emerge. The Technology Lead directly manage the Evari Technical Team.

**2014 - 2018 Enterprise GIS Administration and Development Quartic Solutions LLC.** Maintained Enterprise GIS support and administration for cities in California. Managed the GIS systems for the City of San Diego as well as administered their ArcGIS Online portal and user licensing for the City GIS staff. Developed custom GIS applications for clients and provided expertise on the integration of GIS in city projects.

**2009 - 2018 Digital Communications, Visualization and Web/Mobile Mapping Development Resilience System - Health Initiatives Foundation Inc (HIFI)** Focusing upon emerging technology for civil society involvement in disaster risk reduction and disaster response, developing open source mapping platform using Openlayers and Drupal CMS. Backend architecture development for forms and questionnaires and their integration into mobile and desktop mapping applications.

**2013 – 2014 Graduate Intern Spatial Epidemiology Analyst County of San Diego Health & Human Services –** Emergency Medical Services Develop mapping products using ESRI ArcGIS (10.1) to meet the needs of San Diego County HHS-EMS and other end users in San Diego County. Skills used include: Creating, formatting and geocoding of data sets; SQL query creation and Python scripting; - Troubleshooting of issues and evaluate solutions as needed; Documentation of solutions through step-by-step instructions and screenshots so work can be replicated by others; Meet and communicate directly with clients; - Participate in weekly staff meetings; Self manage to meet deadlines.

**2011 Transportation Infrastructure Vulnerability Analysis** Produced unique disaster planning road network and resources for the County of Hawaii / UHH Geography Dept. Used sophisticated GIS products including ESRI ArcMap Network Analyst, County of Hawaii's road network, road data from Openstreetmap; Developed and provided product able to provide on-the-fly analysis of best option traffic reroute during catastrophic failure in one/many of 400+ bridges located on the Island of Hawaii's road system.

**2010 HIFLD** Support Homeland Infrastructure Foundation-Level Data Working Group conference technical support: Provided internet access support for new user account, profiles and password issues; Provided audio and visual presentation technical support.

**2010 SDSU Immersive Visualization Center (Viz Lab) Asia Project Support** - Produced Instructional Documentation for software; Produced User Interface design for handheld applications; Code (Objective C) for iPhone mobile GIS product; Support for ad hoc projects between Vietnam and Viz Lab with focus upon climate change.

**2010 Disaster Scenario Development and Visualization** - Developed, strategized and produced geospatial products for a dirty bomb disaster scenario in New York City. - Produced visualization map product used in DHS grant application involving SDSU, Global Health Initiatives, Inc and others. It has subsequently been used in presentations by NY Hospital Queens, and by Dr. Mike McDonald of Global Health Initiatives, to illustrate disaster scenarios and the location of mobile radiation exposure triage care units.

**2009 SDSU Immersive Visualization Center** - Disaster scenario development support for Exercise 24 California/Mexico at SDSU Viz Center; Fire mapping; Technical data and information servers, networking, and display support; Website and map development and content management for InRelief.org; H1N1 mapping analysis, information gathering and analysis for InRelief.org; Technical support for US/Mexico Pandemic Awareness Conference.

### **Selected Conference Proceedings and Presentations**

1. ESRI User Conferences: Participant
2. Technical support for US/Mexico Pandemic Awareness Conference.
3. Homeland Infrastructure Foundation-Level Data Working Group conference technical support: