Tyler Ganter

✉ tyler.h.ganter@gmail.com
🌐 tylerganter.com
⊙ github.com/tylerganter

EXPERIENCE

Computer Vision Engineer — Voxel51

January 2019 – PRESENT | Ann Arbor, MI

⇒ Actively leading a team of 5 to train and productionize deep models for automatic detection and classification of objects in road scenes

⇒ Models achieve performance above and beyond state-of-the-art including 95% F1 score on vehicle detection

Computer Research Engineer — Sandia National Lab

June 2016 – June 2017 | Albuquerque, NM

⇒ Developed a novel approach to seismic event detection which nearly tripled the true positive:false alarm ratio

⇒ Led a large scale study on the efficacy of this approach, training and evaluating an ensemble of 50k weak classifiers

Research Assistant — University of Washington

July 2014 – June 2016 | Seattle, WA

⇒ Designed and implemented a real-time version of a new cochlear implant signal processing algorithm for clinical trials

⇒ Subject tests on timbre recognition improved by 26%

⇒ This work was featured on NPR

PUBLICATIONS

Adventures of Gallivanter Ganter — gnarwall.org

2017 – 2018 | 26 countries in 4 continents

⇒ A personal account of seeing the world for the first time

Alternative Null Hypothesis Correlation: A New Approach to Automatic Seismic Event Detection

Ganter et al., BSSA 2018

⇒ This novel method creatively applies supervised learning to traditional techniques for dramatically improved results

Harmonic Encoding In Cochlear Implants

Ganter, University of Washington 2016

⇒ Overview and guide to a novel technique for encoding temporal fine structure in a neuroprosthetic

EDUCATION

M.S. Electrical and Computer Engineering
University of Washington

2014 – 2016 | Seattle, WA

GPA: 3.7/4.0

B.S. Electrical Engineering
University at Buffalo

2009 – 2013 | Buffalo, NY

GPA: 3.9/4.0

SKILLS

Machine Learning Tensorflow SQL GCP Scikit-learn C++ LaTeX Python Docker Computer Vision Audio Signal Processing Agile Deep Learning Keras Matlab Javascript Seismology

LANGUAGES

English	—	Native
German	—	Proficient
Italian	—	Intermediate

PASSIONS

Climbing	Travel
Music	Break Dancing