Phil Strzelecki

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Work

Raytheon Missiles & Defense
Systems Engineer, Electro-optical Signal Processing, 2019-2020

Worked on a number of classified projects utilizing proprietary software as well as common languages and software, especially MATLAB and Python.

Education

University of Arizona
M.S., Applied Mathematics, 2017
Stony Brook University
Additional coursework in Mathematics, 2014-2015
New York Institute of Technology
B.S., Mechanical Engineering, *summa cum laude* 2014

Research Assistant

Multi-Information Source Optimization with Knowledge Gradient
With Matthias Poloczek, Systems and Industrial Engineering, 2018

Internship

Sandia National Labs
Wind Energy, 2018

Integrated multiple simulations of varying fidelity in order to study effects of placement and orientation of individual turbines within a wind energy farm.

Graduate Research

Data Assimilation Techniques for Tracking Defunct Satellites
With Matthias Morzfeld, Mathematics, 2017
Equations of Relative Motion in a Prolate Spheroidal Frame
With Eric Butcher, Aerospace & Mechanical Engineering, 2016-2017

Teaching

Mathematics, University of Arizona
Mentor, Math Modeling, 2017-2018
Instructor, Calculus Concepts & Applications for Business, 2017-2018
Instructor, Calculus Preparation, 2016
Instructor, College Algebra, 2015-2016

Publication

Bifurcation to traveling waves in the cubic–quintic complex Ginzburg–Landau equation
Published in *Analysis and Applications* **15**(04):395-411, 2015
(with Jungho Park, Mathematics, New York Institute of Technology)

Military Service

U.S. Marine Corps
Weapons Co., 1st Battalion 5th Marine Regiment 2006-2010