William K. Power III

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github.com/wpower12 linkedin.com/in/wkp3engineer

Education

PhD Candidate in Computer Science, Temple University, Philadelphia, PA 2017 – current
Artificial Intelligence/Machine Learning Track

M.S. in Computer Science; Temple University, Philadelphia, PA 2015 – 2017

Acquisition & Program Management; Defense Acquisition University, D.O.D. 2010 – 2015

B. S. in Mechanical Engineering, University of Delaware, Newark, DE 2005 – 2010

Experience

Teaching/Research Assistant; Temple University, Philadelphia, PA 2016 – Current
Program Design & Abstraction; Data Structures; Low-Level Programming

PHP Developer; PPCITraining.com, Spring Mount, PA 2014 – May 2020

Computation & Simulation Intern; NASA Jet Propulsion Laboratory; Pasadena, CA 2017

Intern Developer; Aviewfrommyseat.com, Philadelphia, PA 2015 – 2016
Implemented Google map features; Developed in PHP and Javascript

Support Engineer; NAVAIR, Lakehurst, NJ 2010 – 2014
Responsible for ship and shore warehouse management drawings;
Developed AutoLISP scripts to automate the creation of inventory drawings

Languages

PHP - Professional *Python* - Professional *Java* - Proficient
Javascript - Proficient *HTML/CSS* - Proficient *Rust* - Comfortable

Current Projects

COVID-19-USSTN - Collection of python scripts to generate US county-level spatio-temporal datasets for use in graph-based machine learning methods.

RedditCountyBias - Collection of python scripts to automate the collection of US county-level 'online activity data' from reddit.com.

Publications

Power, William, et al. "Autonomous navigation for drone swarms in gps-denied environments using structured learning." *IFIP International Conference on Artificial Intelligence Applications and Innovations*. Springer, Cham, 2020.

Power, William, Xiang Li, and Pei Wang. "Generalized Diagnostics with the Non-Axiomatic Reasoning System (NARS)." *International Conference on Artificial General Intelligence*. Springer, Cham, 2019.