

# William K. Power III

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## Education

- 2015 – 2017    **M. S. in Computer Science**; *Temple University*, Philadelphia, PA
- 2010 – 2015    **Acquisition and Program Management**, *Defense Acquisition University*, D.O.D. [online]  
Program Management, Scheduling, and General Acquisition credits
- 2005 – 2010    **B. S. in Mechanical Engineering**, *University of Delaware*, Newark, DE

## Experience

- Summer 2017    **Computation and Simulation Intern**; *NASA Jet Propulsion Laboratory*, Pasadena, CA
- 2016 – Current    **Teaching/Research Assistant**; *Temple University*, Philadelphia, PA  
T.A. for CIS1068 - Program Design and Abstraction
- 2015 – 2016    **Intern Developer**; *Aviawfrommyseat.com*, Philadelphia, PA  
Implemented Google map features; Developed in PHP and Javascript
- 2014 – Current    **PHP Developer**; *PPCITraining.com*, Spring Mount, PA
- 2010 – 2014    **Support Engineer**; *NAVAIR*, Lakehurst, NJ  
Responsible for ship and shore warehouse management drawings  
Developed AutoLISP scripts to automate the creation of inventory drawings

## Languages

PHP - Professional	Java - Proficient	Python - Proficient
Lisp - Comfortable	C/C++ - Comfortable	

## Projects

- UnitGP    A Java implementation of a Genetic Programming method; uses GP to build a control method for a simulated insect - [github.com/wpower12/UnitGP](https://github.com/wpower12/UnitGP)
- LGS    Python implementation of a Lattice Gas Simulation - [github.com/wpower12/LGS](https://github.com/wpower12/LGS)
- Javascript Apps    A collection of small Javascript apps: a physics simulation, a traffic model, and a procedural generation game - [poweriii.com](http://poweriii.com)

## Interests

Artificial Intelligence (specifically representation of behaviour in simulations and general learning)  
Evolutionary Programming - As a means to search the space of possible behaviours for an AI Agent