

# PETER VALDEZ

Software Engineer

New York, New York

Lately, I've been trying to keep in mind that technology is primarily a tool. Tech folk often get caught up in the tech itself, without thinking its actual applications. I often compare it to fire. Fire is a marvel to behold, but it really shines in its applications.

## WORK EXPERIENCE

### PROPELLR

Lead Software Engineer | Jul, 2014 – Oct, 2016

I worked on all parts of the app, which included Ansible playbooks, AWS configuration, a Flask-based Python API, CoffeeScript on the Angular frontend, and Dockerizing the entire app myself.

### HAPPY DOGS NYC

Software Engineer | Oct, 2012 – Jun, 2014

I worked on an internal operations management system for a dog daycare chain. The application uses the Django Python web framework. Being the sole web developer, I worked on every level of the application, from configuring nginx to designing the pages.

### HUNTER COLLEGE

System Administrator | Mar, 2010 – Oct, 2012

Worked in a group of six system administrators, handling all sorts of tasks. We handled many college-wide services, including DNS, Active Directory, LDAP, the e-mail system, the college website, etc. Developed proficiency in Python, as that's how they automate many of their processes.

### MORGAN STANLEY

Software Engineer | Jun, 2008 – Oct, 2008

Worked on modernizing an internal program used by the company with AJAX and JavaScript. Worked with C#, JavaScript, HTML/XML, JSON, MySQL, Prototype JS.

## EDUCATION

### HUNTER COLLEGE

Bachelor of Arts - Computer Science | Aug, 2009 – May, 2014

## PROJECTS

### HOOKS

Creator

A mobile app to run miscellaneous scripts over SSH. Built with React Native.

### REACT-NATIVE-SSH

Creator

A React Native library to run commands over SSH.

### DOCKER-S3-BACKUP

Creator

An easily configurable Docker image to backup Docker volumes every hour.

### NYC MESHNET

Organizer

Helped reboot and run a meetup dedicated to figuring out how to get a mesh network started in NYC.

### TALK: WIRELESS MESHNETS

Speaker at HOPE X

I spoke on a panel about wireless mesh networks. Specifically, we discussed the various benefits of such a network, and which software and hardware someone would need to build one.

### TALK: NUMERICAL ANALYSIS OF CARDIAC ELECTROPHYSIOLOGICAL MODELS

Speaker

After a summer of research, I gave a talk on the performance of various methods of approximating solutions to a set of differential equations that represented a heart's electrical activity.

### PAPER: DISCOVERING PROTEIN CLUSTERS

Co-author and Programmer

I implemented a cluster-finding algorithm used to discover groups of related proteins, which resulted in a paper published in an AAAI Symposium.

## SKILLS

Python

Docker

Bash

JavaScript

Angular

React



React Native

Ansible

AWS

#### CONTACT INFORMATION

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