

# J. Tynan Burke

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## SUMMARY OF QUALIFICATIONS

- Experienced **software engineer**, primarily **Python** (6+ yrs.), **web developer** (HTML, CSS, JavaScript 10+ years), with expertise in **data mining** and **text mining**, **machine learning**, **data management**, and **information architecture**
- Special focus on **location-based information** and **predictive systems**
- Work history includes startups, financial services, small business

## SELECTED EXPERIENCE

**Pelta Inc.**, San Francisco, CA

2013-Present

### **Director of Ontology**

- Developed ontology for large, diverse data collection
- Developed automated analysis & ingest of information into semantic database
- Created friendly interface for users to explore & manage data
- Modeled predictive systems based on user information
- Managed system to care for collection through its life-cycle
- **Technologies:** Python (Flask, NumPy, Jinja, Celery), SQL, MongoDB, AWS EC2 & S3, Git

**Coinapult**, San Francisco, CA and Panama City, Panama

2012-2014

### **Middleware Developer**

- Worked with geographically diverse team to build and deploy bitcoin service
- Re-developed Flask app and MongoDB hooks for wider customer base
- Helped ensure end-to-end encryption for transactions & corporate communications
- **Technologies:** Python (Flask, Celery), PGP, MongoDB, Git

**Obama For America**, Denver, CO

2008

### **Deputy Field Organizer**

- Managed 3-5 offices and satellite offices for GOTV operation
- Wiped and installed donated equipment, setting up PCs and printers for data entry
- Responsible for recruiting, organizing, and coordinating hundreds of volunteers
- Integral part of hardworking team with a large amount of role-sharing
- Easily beat vote target for CO-1 district for House, Senate, Presidential election

## EDUCATION:

**Stanford University**, Stanford, CA

May 2006

Bachelor of Arts with Departmental Honors, German Studies

**University of Illinois, Urbana-Champaign**, Champaign, IL

May 2014

Masters of Science (4.0 GPA), Graduate School of Library and Information Science