

J. Tynan Burke

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SUMMARY OF QUALIFICATIONS

- Experienced **software engineer** and **full-stack web developer**; further background in **data mining** and **text mining**, **data management**, **machine learning**, and **systems architecture**
- Work history includes startups, financial services, education, small business

SELECTED EXPERIENCE

Carnegie Foundation for the Advancement of Teaching, Stanford, CA 2016-Present

Web Developer

- Leading development of digital library for Foundation's flagship educational materials
- Developing & maintaining educational platform for 10k+ students, teachers, admins
- Creating data dashboards for mentors to track teachers' progress and feedback
- Following project acquisition, transitioning large codebase from python to ruby
- Responsibilities across full stack: databases, pipelines, servers, back-end, front-end, UI/UX

Pelta Inc., San Francisco, CA 2013-2016

Consultant

- 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

Coinapult, San Francisco, CA and Panama City, Panama 2013-2014

Middleware Developer

- Worked with geographically diverse team to build and deploy bitcoin service
- Re-developed python app and MongoDB hooks for wider customer base
- Helped ensure end-to-end encryption for transactions & corporate communications

Self-Employed, San Francisco Bay Area 2007-2013

Web Developer, I.T. Guy, Researcher, Obama '08 Field Organizer

- Developed & managed websites for small businesses around Bay Area
- Served as researcher, office manager, & web developer for best-selling author
- Performed social media & reputation management
- Managed 3-5 offices and satellite locations with 2008 Obama campaign in Denver

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