Greg Reeve's Curriculum Vitae

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Education

August 2013 – December 2016, *M.S. in Library and Information Science*, San Jose State University

September 2001 – August 2007, *B.S. in Geography with an emphasis in Geographic Information Systems*, Brigham Young University, GPA 3.76

Publications

Zaugg, H., McKeen, Q., & **Reeve, G.** (October 2016). *Using a social network analysis to inform library communication patterns within the Harold B. Lee Library*. Proceedings of the Library Assessment Conference, Arlington, VA. Retrieved from http://libraryassessment.org/bm~doc/80-zaugg-2016.pdf

Reeve, G. (2016). *Masters of Library and Information Science Portfolio*. Retrieved from https://greeve.github.io/eportfolio/

Presentations

Rennick, B., **Reeve, G.**, & Hansen, C. (2018). *Improving Online Access to Faculty-developed Bibliographies, Indexes, and Databases*. Poster presented at ULA 2018.

Reeve, G. (Nov 2017). *Web Development University Trainings*, "Django Data Migrations".

Reeve, G. (Jul 2017). *Web Development University Trainings*, "Django Control Center".

Reeve, G. (Feb 2017). *Web Development University Trainings*, "Django Forms".

Reeve, G. (Jan 2017). *Web Development University Trainings*, "D3js".

Reeve, G. (Jun 2016). *Web Development University Trainings*, "Django Class Based Views".

Smart, E. & **Reeve, G.** (Feb 2016). *The First Utah Symposium on the Digital Humanities*, "Digital Humanities and Digital Libraries".

Current Research

Rennick, B., Edlund, T., & **Reeve, G.**. (2019). Library exhibit in preparation.

Institutional Service

Present, Member of the HBLL Metadata Management Working Group

2018, Member of the HBLL Special Collections Division Review Team

2018, Member of the HBLL Exploration of Collaborative-creative Services Task Force

2018, Member of the HBLL Library Membership Task Force

Professional Experience

November 2014 – Present, *Data Services Software Developer*, Harold B. Lee Library, 40 hrs/week

Develops web-based applications using Python and Django for the Harold B. Lee Library (HBLL). Designs and develops front end web-application interfaces using HTML, CSS, and Javascript. Interacts with mysql databases using SQL and Python. Provides technical and programming support for Digital Humanities projects involving the library and its staff. Reviews other team members code before deploying. Presents training materials on relevant programming topics to the development team. Attends programming and library-related conferences to make connections with other academic institutions and their staff.

February 2018 – Present, *Software Developer*, BYU Law & Corpus Linguistics, 5 hrs/week

Develops internal tools and programming scripts to gather, prepare, and enrich textual data that is included in the BYU Law & Corpus Linguistics interface.

October 2011 – November 2014, *Geodata Manager* for the U.S. Forest Service, Critigen, 40 hrs/week

Worked on-site with the U.S. Forest Service to implement and administer ArcGIS Server at the USFS Enterprise Data Center. Responsible for creating and following the process of publishing, cataloging, and monitoring map services. Cataloged authoritative agency map services on ArcGIS Online and Data.gov. Authored and optimized map documents to publish as map services. Wrote documentation to guide others in publishing and using GIS services. Ensured the process follows enterprise standards and meets the needs of the Forest Service. Assisted, educated, and led both groups and individuals on a local and national level. Created demos and presentations to inform others how GIS web services are being used in the agency. Aided users in and out of the agency so they can utilize map services in their own web mapping applications. In charge of customer service and troubleshooting issues. Supported web application developers who request map services. Provided assistance to the ArcGIS Server Administrator in configuring, optimizing, and managing the system. Administered the U.S. Forest Service ArcGIS Online Organization account. Contributed to many internal and external U.S. Forest Service projects including the U.S. Forest Service Interactive Visitor Map, the U.S. Forest Service ArcGIS Online Organization, and the U.S. Forest Service Land and Water Conservation Fund Map Viewer. Supervised other on-site Critigen staff including approving timecards and performing yearly performance reviews.

April 2010 – October 2011, *Geodata Manager* for the U.S. Forest Service, Tetra Tech, 40 hrs/week

Worked on-site with the U.S. Forest Service to implement and administer ArcGIS Server at the USFS Enterprise Data Center. Responsible for creating and following the process of publishing, cataloging, and monitoring map services. Cataloged agency map services using internal cataloging tools. Authored and optimized map documents to publish as map services. Wrote documentation to guide others in publishing and using GIS services. Ensured the process follows enterprise standards and meets the needs of the Forest Service. Assisted, educated, and led both groups and individuals on a local and national level. Created demos and presentations to inform others how GIS web services are being used in the agency. Aided users in and out of the agency so they can utilize map services in their own web mapping applications. In charge of customer service and troubleshooting issues. Supported web application developers who request map services. Provided assistance to the ArcGIS Server Administrator in configuring, optimizing, and managing the system. Administered the U.S. Forest Service ArcGIS Online Organization account. Contributed to many internal and external U.S. Forest Service web mapping applications.

May 2009 – September 2013, *Freelance iOS Developer*, 10 hrs/week

Was enrolled as an iOS developer in Apple's iOS Developer Program. Learned to develop for iPhone, iPod Touch, and iPad using Apple's developer frameworks and tools. Designed, developed, tested, and sold the following apps: Aconter for iPad, Word Play for iPad, Letter Play for iPad, Number Play for iPad, and Basic Scriptures for iPhone and iPad. Worked as a freelance developer on the Fact Mountain series of apps for Foothills Education, LLC (http://www.factmountain.net/iphone-apps).

June 2007 – April 2010, *Product Engineer*, ESRI, 40 hrs/week

Worked as a gray box tester of ArcGIS server for .NET and the .NET Web ADF. Validated and verified that the software meets the technical requirements that guided it's design and development. Worked with one other product engineer overseeing the manual

testing of the product. Worked closely with a team of 12 developers and tested their software fixes and new features before being checked into the code base. Ran regression tests after developers checked in new code. Wrote test plans for testing features and functionality. Balanced time between testing various operating system environments and features supported by the software. Acted as a user of the software to improve quality of the product. Tested and documented integration with Microsoft .NET technologies. Represented company at ESRI user conferences answering customer questions about ArcGIS Server.

January – June 2007, *GIS Technician*, City of Provo, 25 hrs/week

Worked on a team to create a unified addressing geodatabase for the City of Provo. This included gathering and verifying address information and editing and entering data into the geodatabase. Heavily assisted in establishing and modifying the project work flow.

May – January 2007, *Student employee*, BYU Office of Information Technology, 20 hrs/week

Tracked virus infected on-campus computers in order to contact their owner for the cleaning of the computer. Managed virus alerts using custom built virus tracking software. Created reports for security violations. Acted as BYU postmaster in dealing with on-campus spam complaints. Managed passwords and network access using various custom-built applications. Setup Microsoft Exchange email and VPN accounts on the campus network. Worked with campus faculty and staff over the phone and via email to troubleshoot and resolve account access and maintenance issues.

May – September 2006, *Traffic Operations Intern*, City of Orem, 20 hrs/week

Conducted traffic count studies on city intersections and streets. Mapped city streetlight systems using GPS, blue staking tools, and AutoCAD software. Created weekly reports of volume and speed count data for intersections and streets throughout the city. Assisted Traffic Operations Section with maintaining the city traffic light systems.

January – March 2005, *Student employee*, BYU Custodial, 20 hrs/week

Performed assigned cleaning tasks each morning such as trash removal, vacuuming, dusting, window cleaning, and cleaning restrooms.

August 2001 – April 2002, *Student employee*, BYU Custodial, 20 hrs/week

Responsible for cleaning carpets in various buildings in the Provo Missionary Training Center. Performed assigned cleaning tasks each evening such as trash removal, vacuuming, dusting, window cleaning, and cleaning restrooms.

Skills

Languages: Python, Javascript, HTML, CSS, XML, XSLT, SQL, SPARQL, RDF, MARC, MARCXML, EAD

Databases: Sqlite, MySQL

Tools: Git, Github, Bitbucket, Linux, macOS, Django, Docker