Tracey Cannon

SOFTWARE ENGINEER IN ST. LOUIS, MO

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I incorporate a strong sense of detail and analysis skills into the development of user-experience programming that resolves questions and improves value. I am interested in continued skill in programming development.

LANGUAGES	FRAMEWORKS		TOOLS		ANALYSIS
• **Java**	• **Bootstrap**	• **Spring Boot**	• **MySQL**	• **IntelliJ**	• **STATA**
• **Python**	• **Flask**		• **Visual Studio**	• **GitHub**	• **GeoDa/ARC-GIS**
• **SQL**	• **Spring MVC**		• **Git**	• **MAMP**	• **Atlas-TI**

PROJECT EXPERIENCE

ResearchEase — User-Experience Research Tool
- Designed UI for iOS, Android and Laptop to simplify the user experience for field research
- Java, Spring, Thymeleaf, HTML, IntelliJ, with MySQL in MAMP for immediate database availability
- Enables the collection of GIS and qualitative response data in real-time during meetings
- https://github.com/tlarhein/ResearchEase

CheeseMVC-Persistent –- A Launch Code project that allows users to add/remove/view list items & categories
- Designed UI that creates persistent SQL databases, that can be downloaded and analyzed
- Java, Spring, Thymeleaf, HTML, IntelliJ, MySQL, MAMP for sustained database
- https://github.com/tlarhein/LC101-CheeseMVC-Persistent

Blogz –- A Launch Code project that allows users to signup, create, and read blog posts
- Designed to improve the features of the 'build-a-blog'
- Python, Flask, SQLAlchemy, Jinja, MySQL, and HTML
- https://github.com/tlarhein/blogz

EDUCATION

- **Certificate,** Programming, Launch Code, 2019
- **Master of Arts,** Public Policy, University of Missouri-St. Louis, 2014
- **Master of Arts,** Public Administration, Saint Louis University, 2002

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WORK EXPERIENCE

Data and Compliance Manager, KIPP Schools, St. Louis, Missouri, August 2015 - March 2018
- Managed region-wide student and staff information systems (SIS)
- Analyzed data for decision making; compiled reports and dashboards to identify trends
- Audited the accuracy of system use, providing professional development to improve data
- Successfully met reporting requirements to state, federal government and stakeholders

Director - Data, Research & Evaluation, Normandy Schools, St. Louis, Missouri, June 2012 - December 2013
- Standardized operations and data practices to improve state reporting; resulted in the release of $600K, previously withheld due to historical data inaccuracies
- Performed statistical analyses, internal and external reporting for decision making
- Audited the accuracy of information system use, presenting professional development
- Monitored and maintained compliance with data protection regulations

Sr. Research Analyst, Public Policy Research (UMSL), St. Louis, Missouri, February 2005 - December 2016
- Designed and implemented in-depth, applied research, based upon client need
- Performed data analysis, basic descriptive to regressions with post-regression validation tests, with spatially aware methods where necessary to show the impact of location if one exists
- Designed logic-model program evaluations to identify most impactful data collection points, context of resources, and analyze program outcomes
- Conducted a process evaluation for the Missouri Office of State Courts Administrator that resulted in better use of a costly system not previously embraced by senior employees
- Wrote and presented detailed outcome reports to clients

Adjunct Teaching, University of Missouri St. Louis, St. Louis, Missouri, 2016
- Taught Advanced Program Evaluation, for the College of Education Graduate School

Adjunct Teaching, Harris-Stowe State University, St. Louis, Missouri, August 2009 - December 2012
Research and Statistics, I and II
- Research Writing
- Business Statistics