

# Tracey Cannon

SOFTWARE ENGINEER IN ST. LOUIS, MO

powered by  
launch\_code

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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
<ul style="list-style-type: none"><li>• Java</li><li>• Python</li><li>• SQL</li></ul>	<ul style="list-style-type: none"><li>• Bootstrap</li><li>• Flask</li><li>• Spring MVC</li><li>• Spring Boot</li></ul>	<ul style="list-style-type: none"><li>• MySQL</li><li>• Visual Studio</li><li>• Git</li><li>• IntelliJ</li><li>• GitHub</li><li>• MAMP</li></ul>	<ul style="list-style-type: none"><li>• STATA</li><li>• GeoDa/ARC-GIS</li><li>• Atlas-TI</li></ul>

## 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