

Software Engineer

# BRANT COLLINS

Phone: (219) 331-1541

Email: lbrantcollins@gmail.com

LinkedIn: [www.linkedin.com/in/lbrantcollins](http://www.linkedin.com/in/lbrantcollins)

Portfolio: [lbrantcollins.github.io](http://lbrantcollins.github.io)

## Profile

---

Software engineer, statistician, and teacher. As a software engineer, enjoy leveraging experience as a statistician and teacher by working in organizations that value input from their technologists about varied aspects of their digital products. Work best surrounded by smart people who generously share ideas.

## Skills

---

### SOFTWARE ENGINEERING

Experience with: HTML, CSS, Bootstrap, Javascript, JQuery, Node.js and express, MVC with REST, React, Python with Flask, Ruby with Sinatra, mongoDB, SQL, Git, GitHub, and Agile workflow

### OTHER PROGRAMMING

R, C, SAS, vi, LaTeX, markdown

### SOFT SKILLS

Public speaking, professional writing

## Education

---

### PHD in STATISTICS

University of Chicago

### BS in MATHEMATICS

University of Texas at San Antonio

### SOFTWARE ENGINEERING FELLOW

General Assembly, Chicago

## Experience

---

### SOFTWARE ENGINEERING FELLOW – General Assembly, Chicago, 2019-present

General Assembly is a global leader in technology education

- **Programming:** Designed and built web applications using Javascript, JQuery, HTML, and CSS.
- **Web development:** Designed and built full-stack applications using Javascript, Express with Node.js, React, Python with Flask, Ruby with Sinatra, noSQL and SQL databases
- **Version control:** git and Github

### SENIOR LECTURER IN STATISTICS – University of Chicago, 2003-2009, 2012-2019

University of Chicago is a top-tier research institution with a top-five statistics graduate studies program

- **Teaching:** Taught statistics to 2500+ diverse, high-achieving undergraduates.
- **Training:** Held workshops for 800+ students new to R and RMarkdown
- **Mentoring:** Guided new lecturers and graduate student instructors.
- **Advising:** Offered course and degree plan advising to statistics majors, minors, and non-majors.
- **Data analysis:** Programmed in R, C, and SAS. Wrote reports using LaTeX and Markdown.

### RESEARCHER AND STATISTICIAN – Chapin Hall at the University of Chicago, 2009-2012

Chapin Hall is a research and policy think tank for issues relating to the welfare of children and families

- **Risk analysis:** Wrote SQL queries and SAS programs to analyze and present data for researchers and policy makers regarding the experiences of over 1.5 million children in foster care in 26 states.
- **Professional writing:** Co-authored or contributed to the methodology sections of white papers, policy proposals, and peer-reviewed research.
- **Public speaking:** Delivered talks on statistical analyses and their results to technical and non-technical audiences of sizes 10 to 300.

## Other Tech Interests

---

Collins family tech guru: Act as the family tech help desk -- building desktops, doing complete tear-downs of laptops to replace that noisy fan or cracked screen, advising on tech purchases, etc.