

Danielle E. Williams

danicodes94@gmail.com | Cell: (641) 888-0700 | danicodes.github.io

SPECIALIZED SKILLS

Languages: English (native), Spanish (conversational), Japanese (advanced), French (novice)

Computer: Excel, R/RStudio, Ruby/Rails, SQL, Python/Pandas/Scikit/Numpy, Java, Tableau, C, SPSS, Git

EDUCATION

Bachelor of Arts in General Science - Mathematics

August 2012 - May 2016

Grinnell College, Grinnell, IA

- Related Coursework: Team Software Development, Research Methods (Psychology), Discrete Structures, Analysis and Design of Experiments, Statistical Modeling, Network Analysis, Algorithms and Object-Oriented Design, Linear Algebra, Functional and Imperative Problem Solving, Advanced Writing
 - CAUSE Undergraduate Class Project Competition 2016, Honorable Mention
Predicting the Amount of Money a Kickstarter Campaign Will Raise
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RELATED COURSE ACTIVITIES

Team Software Development

January 2015 - May 2016

- Collaborated with members of MICA (Mid-Iowa Community Action) to develop a web application to better the Iowa community by allowing users to easily access local resources that may be of benefit to them
- Practiced agile development techniques, working in iterative cycles to complete specific tasks with my peers
- Provided solutions to enhance the application's quality and optimize its performance

Analysis and Design of Experiments, and Statistical Modeling

January 2015 - December 2015

- Examined experiments from varied disciplines to determine what makes effective experimental design
 - Explored and implemented knowledge of statistical techniques to effectively analyze experimental data
 - Incorporated techniques from areas such as Bayesian statistics, risk statistics and regression modeling to explore research questions throughout the semester
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SELECTED LEADERSHIP EXPERIENCE

Peer Mentor and Research Assistant

Data Analysis and Social Inquiry Lab, Grinnell College

August 2015 – May 2016

- Assisted students with research design for various projects, guided them in the use of statistical software, creating visualizations, and finding insights from their data
 - Aided faculty with formatting and cleaning large data sets for use in research projects
 - Provided class presentations and workshops for students to help improve their technical and analytic skills
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ADDITIONAL EXPERIENCE

Marketing Intern

Nightowl Technologies, New York

June 2015 - August 2015

- Aided in the expansion of consumer base to include six large metropolitan areas across the United States
- Developed and expanded the community of users through social media marketing
- Utilized data to provide insight about consumer base in order to inform future decisions

Writer

Scarlet & Black Newspaper, Grinnell College

September 2012 – April 2015

- Reported on various school-related events in creative ways in order to increase reader interest
 - Investigated student and community opinions on several issues
 - Mediated interactions between students and editors to ensure comfortable relations between them
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