

Anne K. Flaherty

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Education

- **Case Western Reserve University** Cleveland, OH
B.S. Applied Mathematics *Graduated: May 2016*
 - GPA: 3.2
- **Case Western Reserve University** Cleveland, OH
Full stack web developer bootcamp *Graduated: April 2018*
 - Portfolio of work available at: <https://akflaherty.github.io/portfolio/portfolio.html>

Skills

Programming	Python, Java, JavaScript, SQL, Matlab, MUMPS (Caché)
Web Development	HTML 5, CSS 3, MongoDB, Node.js, Angular, Express, jQuery, AJAX, JSON, XML, Firebase, Bootstrap, Handlebars, REST APIs, React, Google Analytics
Data Analysis	R, Stata, Pandas, NumPy, Mathematica, MySQL, MS SQL Server, Excel, Access, SAP Crystal Reports
Other Skills	Git, Data science, Statistical analysis, Agile project management, Scrum, Software testing, Object-oriented programming, Performance Tuning, \LaTeX

Work Experience

- **Epic Systems** Verona, WI
Technical Services *June 2016 - May 2017*
 - Provided long-term technical support of healthcare analytics software for six customers;
 - Worked with project managers to streamline report request processes and improve system performance;
 - Documented software bugs and developed design documents for software improvements;
 - Developed server code to search for broken system configurations;
 - Co-created research reporting group to assess current functionality and prioritize new development;

- **Sigma Psi Sorority**

Cleveland, OH

- *Risk Manager*

January 2016 - May 2016

- Regularly on call to manage crisis situations and urgent safety concerns;
- Mediated conflict resolution sessions between chapter members;
- Facilitated training on risk management policies and emergency resources;
- Created and maintained detailed risk management plan;

Development Projects

- **Information-Premium**

<https://information-premium.herokuapp.com/>

- *Application Developer*

- This site is an online Q&A resource which allows monetary incentives;
- Created REST APIs using MongoDB and Mongoose ORM;
- Implemented client-side and server-side data validation;
- Managed team's app deployment pipeline via Heroku;
- Conducted usability and unit testing;

- **Bet Party**

<https://guarded-dusk-66600.herokuapp.com/>

- *Backend Developer*

- This web app allows users to login via Twitter to fun bets on upcoming events;
- Administrators can create, and update existing bets;
- Implemented MySQL database to hold bet data, and use Sequelize as an ORM to access data;
- Created REST API to handle interface with database;
- Technology used: Node.js, Express, MySQL, Sequelize, Heroku, Node Package Manager;

- **Film-Finder**

<https://kjmbaldwin.github.io/Film-Finder/>

- *Backend Developer*

- Web app allows users to create an account to track their favorite movies, and see what movies their friends have favorited;
- Setup Firebase database to manage live user data;
- Used JavaScript, AJAX, and Google Maps API to dynamically search for movies and theaters near the user;

Professional Memberships

American Mathematical Society (AMS)

2018 - Current

Society for Industrial and Applied Mathematics (SIAM)

2017 - Current

- Data Mining and Analytics activity group
- Computational Science and Engineering activity group