**Aaron Phalin**

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**Education**

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**Lawrence University,** Bachelor of Arts **June 2019 (expected)**

Major: Economics, Minor: Environmental StudiesCumulative GPA: 3.78

* ***Quantitative Coursework:***Calc I-II, Multivariable Calculus, Linear Algebra, Probability, Statistical Modeling, Introduction to Machine Learning
* ***Technical Coursework:*** Intro to Comp Sci, Data-Scientific Programming in R, Intermediate Java Programming, Data Structures (in C++)
* ***Selected Data Projects:*** 
  + *Econometrics Final:* Forecasted likelihood of movie genres to pass famous gender test through logistic regression analysis**.** Showcased skills in **Excel spreadsheet management** and **report writing**.
  + *Advanced Econometrics Final:* Applied **interdisciplinary econometric research** tools including fixed effects regression analysis. Measured the effectiveness of urban butterfly repopulation programs.
  + *Various Exploratory Data Analysis Projects in R*: Using R (table joins, visualizations, regressions), explored a number of data-sets from Kaggle.
    - Analyzed video game death counts by case in “Player Unknown Battlegrounds” online game.
    - Visualized the spatial and temporal trends of crime reports in Chicago from 2011-17.
    - Conducted regression analysis on drought risk, ethnicity, and food security in US meta-data.
    - Conducted k-means and hierarchical methods cluster analysis on world country data.

**Skills and Competencies**

Programming: R, Excel, Git, SQL, Java, C++

Regression Analysis: OLS, Fixed Effects, IV, Discontinuity, Logistic/Probit

Additional Statistical Methods: Hierarchical/K-means Clustering, Classification Trees, Sentiment Analysis

**Experience**

**Research Portfolio Manager, Model UN and Policy Debate May 2012 – 2017**

* Reviewed and managed argument portfolio in preparation for team UN conferences and public debates.
* ***Effective Communication***: Achieved multiple speaker awards and joined several successful committees
* ***Coordination Skills****:* Delegated research assignments to policy debate team members.
* ***Attention to Detail:*** Researched debate literature and conference-related reports to design competition plans.

**Web Developer, Personal Website September–November 2018**

* ***Project-Based Learning****:* Applied self-taught web development skills (HTML, CSS, troubleshooting, debugging) on a personal project. The desktop site can be found at this address: <https://aphalin11.github.io/>

**Ecological Restoration Intern**, PH Natural Resource Commission, Prospect Heights, Illinois **June-August 2017**

* Performed daily unsupervised work in restoring four ecological sites owned by employer.
* ***Mixed Problem-Solving****:* integrated multiple forms of ecological management into a cohesive restoration plan.

**Treasurer**, Lambda Sigma Honor Council **September 2016-June 2017**

* Oversaw management of club’s $3,000 budget, including three fundraisers, volunteer trips to 6+ community service partners.
* Handled reimbursements to club members and proposed money requests to campus’ higher budget council.