Johannes Harkins

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Summary of Experience

- Programming experience in Scala via college courses. Self-taught intermediate ability in HTML, CSS, and JavaScript, including jQuery, the D3 JavaScript library, and to a lesser extent, underscore.js and a few other frameworks. Some familiarity with Angular. Experience using R, FileMaker Pro and SQL, including Google's BigQuery dialect. Some Python data experience including Pandas Matplotlib, and API data collection. Familiarity with Git

- Experience with Stata and Excel. Limited experience with Salesforce, Marketo and Tableau.

- Experienced Mac and Windows user, including Microsoft Office, Adobe Suite, and typesetting documents with LaTeX

- Portfolio of Past Work: I've blogged about soccer statistics and analytics on my own site, as well as on Stats Bomb. My GitHub Pages site hosts several interactive web projects that I've developed. My GitHub profile also contains examples of my programming work.

- Managed and budgeted the creation of projects and events by others as a Renn Fayre Organizer. Communicated deadlines to peers organizing projects, delegated responsibility to reliable people, organized meetings, and acted as a mediator for interests of students and administration of the college.

- Experience budgeting for over $100,000 multiple times.

Experience

- **First Insight Corporation** — Hillsboro, OR
  Jr. Software Engineer - Data Analytics — *June 2014 - Present*
  - Built framework for user-generated reports using FIleMaker Pro and SQL
  - Developing a dashboarding UI using AngularJS and D3 for at-a-glance management statistics for client practices

- **Google** — Remote
  Project Analysis Contributor — *June 2014 (Temporary)*
  - Contributed to analysis and predictions for Google's 2014 World Cup prediction models
  - Used Google's BigQuery engine to pull relevant touch-by-touch data from a database of several seasons worth of matches in order to determine model inputs
  - Contributed graphics to related Google I/O presentation. See Google's related blog posts for further explanation of the project

- **Zapproved, Inc.** — Portland, OR
  Marketing Data Intern — *May 2013 – August 2013*
  - Analyzed data for the marketing department for internal use as well as content generation
  - Worked with both customer product usage data and sales data generated with Marketo and Salesforce
  - Analyzed results of Legal Hold and Data Preservation Benchmark Survey and contributed to final e-Book
  - Created marketing scoring system for sales demographics

- **Reed College** — Portland, OR
  Renn Fayre Czar — *October 2012 – May 2013*
  - Oversaw the planning and organizing of Renn Fayre and Spring/Fall at Reed College as part of a team of four
  - Spring/Fall is a single day event (budget of $10,000) while Renn Fayre is a three-day event (total cost $100,000 and 3000 attendees)
  - Renn Fayre involves coordinating large volunteer efforts and cooperation with college administrators, negotiating with and booking bands and other entertainment, and scheduling three days of a large event, including obtaining permits from the city

- **Reed College** — Portland, OR
  Student Body Head Treasurer — *August 2011 – December 2012*
  - Appointed as Assistant Treasurer for fall semester 2011
  - Promoted to Vice Treasurer for spring semester 2012, but assumed head treasurer role due to resignation of former head treasurer
  - Managed student body budget of over $100,000

- – Responsible for paying student body wages, balancing accounts, semester budgeting, as well as allocation of funds to all student organizations
- – Ex-Officio (non-voting) member of Student Senate, sat on Senate Finance Committee for duration of term, as well as serving as a member of several other committees and acting as liaison to different college departments

Education

- **Reed College** Portland, OR
  BA in Mathematics & Economics *May 2014*
  - – Key Courses: Economics of Jobs, Technology and Trade; Macroeconomic Theory; Microeconomic Theory; Theory and Practice of Econometrics; Multivariable Calculus I & II; Programming Language Design and Implementation; Probability Theory; Environmental Politics and Policy; Linear Algebra; Algorithms and Data Structures
  - – Thesis: *Testing the Efficiency of Sports Betting Markets*