Andrew Follmann

Resumé

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Education

August 2011 – May 2015

Oberlin College - B.A. Mathematical Economics (Honors) | Politics & Math Minor.
Cum. GPA: 3.45 | Major GPA 3.63

Courses Advanced Microeconomics | Advanced Econometrics | Linear Algebra | Multivariable Calculus | Education and Welfare | Probability | Discrete Mathematics | Public Economics

Took 25% more course credits than required for graduation.

Experience

Jan 2016 — Present

Senior Analyst, THE OAKLEAF GROUP - *Bethesda, MD*.

- Manage developer team, delegate project tasks, and identify needs, set schedules, and drive technology infrastructure projects.
- Data provisioning for financial modeling, including Monte Carlo simulations and bond cashflows.
- Develop and implement ETL routines, including data cleaning, aggregation, quality control.
- Develop SFTP programs for automated file receipt, enrichment, and distribution.
- Develop web-crawlers / web-scrapers for automating file downloads and web page data extraction.
- Create daily and ad-hoc management reporting to track productivity, timelines, flows, and staff allocation needs using Python, third-party APIs and SQL databases.
- Manage multiple third-party software vendors to successfully mitigate cost.
- Manage data for internal and external use in litigation support projects, saving clients money.
- Work with subject matter experts and managers of large teams of underwriters to brainstorm, develop and implement human-technological processes for data extraction and loan evaluation.
- Write SQL and Python scripts for financial reporting and auditing.
- Write case studies and user manuals to promote business development and knowledge sharing.
- Present and participate in code show-and-tells for best-practices knowledge sharing.

Dec 2015 — Dec 2016

Reporting Analyst, THE OAKLEAF GROUP - *Bethesda, MD*.

- Translated and updated management reports from R to Python.
- Developed software pipeline for rearranging, compiling, bookmarking, and OCRing image files, integrating third-party vendors and software through Python, saving thousands of labor hours.
- Developed a Python based image file reconstitution software, adding flexibility eliminating the need for the for the expensive LexisNexis Concordance Viewer.
- Extracted, aggregated, and transformed data from heterogeneous documents for client reports.

Sept 2014 — May 2015

Honors Research, OBERLIN COLLEGE - *Oberlin, Ohio*.

- Developed research question and conducted literature review.
- Gathered public survey data (ACS, decennial census) and government budget report data.
- Cleaned, transformed and normalized data in ArcGIS, Excel and STATA.
- Developed and ran fixed effects linear regressions in STATA.
- Presented and defended thesis "*Geographical Distribution of Urban Public Services: A Case Study of Sanitation and Police Expenditure in New York City*" in front of faculty and peers.

Sept 2014 — May 2015	**Instructor**, OBERLIN COLLEGE - EXPERIMENTAL COLLEGE - *Oberlin, Ohio*.
	• Researched and designed 1 credit course on heterodox schools of economic thought, consulting professors and literature.
	• Taught 90-minute course each week for two semesters, involving brief lectures and group discussion of readings.
	• Course is still being taught today, four years after inception.
Jan 2013 — May 2015	**Organizer**, RESPONSIBLE INVESTING ORGANIZATION - *Oberlin, Ohio*.
	• Organized a two day conference with mutliple schools and flying in in-demand speakers.
	• Taught workshop on what is an endowment.
	• Taught workshop on community wealth. Conducted community outreach and student organizing.
	• Conducted web and in-person research on local financial institutions.
June 2014 — Aug 2014	**Research Intern**, BOSTON COMMON ASSET MANAGEMENT - *Boston, Massachusetts* .
	• Researched Environmental, Social, and Governance (ESG) focused investing firms, creating a competitor analysis report that was used to identify market niches.
	• Collected and compiled internal data in excel to construct a historic record of ESG evaluations by the firm.
Feb 2012 — May 2015	**Captain**, OBERLIN COLLEGE MEN'S RUGBY FOOTBALL CLUB - *Oberlin, Ohio*.
	• Led physically and emotionally at practice and at games.
	• Coordinated social events with other teams.
	• Coordinated with Oberlin Club Sports Council for logistic necessities.
May - Aug 2011, 2012	**Laborer**, BERKEL AND COMPANY CONTRACTORS - *Silver Spring, Maryland*.
	• Worked with diverse teams on pile driver crew.
	• Secured earthen walls from collapsing during the excavation process for the foundations of large public and private works projects.

Computer Skills

Proficient	Excel, Python *(pandas, numpy, selenium, flask, scikit.learn, requests)*, Salesforce, git
Intermediate	MySQL, AWS S3, AWS lambda, LaTeX, Linux *(Mint, Ubuntu. Raspbian)*, STATA, R
Basic	SPSS, ArcGIS, Octave, HTML, Machine Learning *(KNN, Logistic regression, binary trees)*

Test Scores

July 2018	**GRE Verbal and Quantitative**.
	Verbal - 168 (98th percentile) | Quantitative - 166 (90th percentile) | Writing - 4.0 (59th Percentile)

References

Academic Advisor	Ron Cheung - OBERLIN COLLEGE, *Professor of Economics*
	rcheung@oberlin.edu (440) 775-8971
Academic Advisor	Tobias Pfutze - FLORIDA INTERNATIONAL UNIVERSITY, *Assistant Professor of Economics*
	tpfutze@fiu.edu (305) 948-2318
Manager	Wes Mesirow - THE OAKLEAF GROUP, *Managing Director*
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