William Lang

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https://github.com/bill-spec
https://bill-lang-website.netlify.app/

EDUCATION

University of Pittsburgh, Pittsburgh, PA　　　　　　　　　　　　　Expected Graduation Month: May 2021
　　　　Dietrich School of Arts & Sciences
　　　　Bachelor of Science: Economics-Statistics　　　　　　　　　Cumulative GPA: 3.94
　　　　Minor in Computer Science

WORK EXPERIENCE

Federal Reserve Board, Research Assistant, Washington, D.C.　　　　　　　　　*May. 2021-Present*

University of Pittsburgh, Economics Research Assistant, Pittsburgh, PA　　　　　*Aug. 2019-April 2021*
- Worked under Professor Allison Shertzer on a National Science Foundation funded housing price research project
- Deployed a machine learning model to geocode and classify 2.5 million newspaper home listings
- Scaled and automated the entire scripting process for deployment in several home listing datasets
- Employed the use of R and Python to assist with dataset management, organization, and presentation
- Created skills in ArcGIS systems, utilizing the software for geocoding, spatial visualization, and data exporting
- Coordinated with researchers from University of Pittsburgh, UC-Merced, and Trinity College Dublin

FedEx Ground, Linehaul Department Analytics Intern, Pittsburgh, PA　　　　　　*July. 2020-Aug. 2020*
- Developed and deployed automated statistical analytics dashboards for contractor fleet compliance reporting
- Automated my groups Sharepoint system to streamline information to field operators in 12 districts
- Created a concise statistical report on the contractor fleet requests gave recommendations on outliers

Undergraduate Teaching Assistant, University of Pittsburgh, Department of Economics　　*Aug. 2019-December 2020*
- Assist in the administration of both the intermediate microeconomics and intermediate macroeconomics courses
- Independently conducted office hours and review sessions to abet students with problem sets and analytic processes
- Key topics included multi-variable optimization, comparative statics, welfare analysis, and efficient pricing

EXTRACURRICULAR ACTIVITIES

Panther Investment Fund, Student Investment Portfolio, Senior Analyst　　　　　　*Jan. 2018-Present*
- Manage an active investment portfolio with the additional goal to educate students in standard investment practices
- Oversaw the commencement of first $50,000 of University funding as a result of consistent performance success
- Lead 15 junior analysts of my sector during breakout meetings, economic outlook presentations, and stock pitches
- Employ tools such as Bloomberg Terminal and S&P Capital IQ for DCF modeling, pitches, and economic updates

Panther Investment Fund, Student Investment Portfolio, Head of Communications　　　*Mar. 2019-Present*
- Effectively relay information between multiple sector teams and the executive board of the organization
- Conglomerate information from executive board meetings and distill information for the rest of the fund

Undergraduate Economics Society, Business Manager　　　　　　　　　　　　*Jan. 2019-Present*
- Manage organization financial and logistics issues, ensuring that every event meets university requirements
- Lead review sessions for various economics courses prior to their exams
- Organize presentations for professors to discuss their research in casual settings for students

PROGRAMING LANGUAGES, STATISTICAL PACKAGES, AND SKILLS

Python (Intermediate), **R** (Intermediate), **Java** (Intermediate), **Statistical Machine Learning** (Intermediate) ,**Stata** (Proficient), **Minitab** (Intermediate), **ArcGIS Desktop** (Beginner), **Microsoft Office** (Intermediate), **Bloomberg Terminal** (Proficient; BMC Certified), **S&P Capital IQ** (Proficient), **DCF Modeling** (Proficient)

ACADEMIC ACHIEVEMENTS

Marion O'Kellie and Alma B. McKay Economics Award (Fall 2019 – Spring 2020)
University of Pittsburgh Dean's List (Spring 2018, Fall 2018, Spring 2019, Fall 2019, Spring 2020)
Community College of Allegheny County Deans List (Fall 2017)