Samuel Koenig

(203) 505-8806 – 17koenig@gmail.com - Chicago, IL
www.linkedin.com/in/samuelkoenig - https://github.com/samkoenig1

SKILLS

- **Statistical Tools** (Excel, Pandas, R, Power Query)
- **Data Visualization** (Tableau, PowerBI, Looker, Python Dash)
- **Database Management** (dbt, PostgreSQL, MySQL, SoQL)
- **Survey Design** (Formassembly, Qualtrics, Survey Monkey)
- **Website Development** (HTML, CSS, Javascript)

- **People Management**
- **User Centered Product Design**
- **Research & Analytics** (Econometrics & Psychology)
- **Education Operations** (Powerschool SIS, Canvas, Naviance. Infinite Campus)
- **K-12 Instruction** (Teaching Assistant)
- **Project Management** (Kanban, Trello, Asana)

WORK EXPERIENCE

OneGoal Chicago, IL
Senior Director of Analytics   April 2020 - Present

- Build and make decisions on key technology infrastructure for District Partnership Model to eventually scale from 0 to 44 districts, 400 school leaders, and 1,000 students across five states
- Lead, as a player-coach, nimble data team responsible for innovating on technology products to meet expected scale of our traditional classroom model and our newly-launched district postsecondary consulting work
- Product-manage AWS data-warehouse and ETL development to support programming of 18,000 students
- Develop student-facing progress tracking tool for 500 students to support differentiated learning using Looker Studio. Presented learnings to To&Through Project at the University of Chicago
- Launch first "self-join" onboarding routine for OneGoal students with 93% success rate across 1,000 users
- Build email alert system using python, javascript, and HTML to notify teachers of their students progress weekly
- Transform National Student Clearinghouse data using R to visualize enrollment and persistence data for more than 20,000 students and 44 districts in the states of Illinois & Kentucky

RePublic Schools Nashville, TN
Lead Data Analyst   August 2018 – April 2020

- Design and execute data and assessment strategy for charter school network of 300 staff members across seven schools, reducing data latency period for academics, operations, and school teams from four weeks to two days
- Build comprehensive Tableau system for senior management and school leaders to diagnose achievement gaps and drive effective data-driven instruction
- Product-manage software team to automate NWEA, State Test, and academic data in AWS data-warehouse
- Systematize and manage quarterly report card creation and distribution process for 3,000 students

Monq LLC Nashville, TN
Marketing Analyst   July 2017 – August 2018

- Develop Black Friday strategy responsible for most profitable weekend in company history (62% YoY growth)
- Model revenue and profit implications of executive decisions such as shipping policy changes, new product launches, and supply chain optimizations

EDUCATION

The College of William & Mary Williamsburg, VA   August 2013-May 2017
Bachelor of Arts, Economics and Psychology   Honors*: Magna Cum Laude, Dean's List (2013-2017)*
Capstone project - "Are Professors Paid Fairly? The Factors Underlying Salary Within William & Mary Faculty"

INTERESTS

iMentor Volunteer, Avid Runner, Soccer Fan, Venture for America Fellow, Teaching Assistant at Horizons at GFA