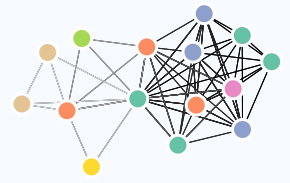# JOSHUA GOLDBERG

Data scientist proficient in statistics, machine learning, and software engineering. Comfortable with R, python, SQL, and C++ using functional programming and object-oriented design. Examples of my work include machine learning models to optimize sales and marketing programs with an estimated impact of $1 million net revenue annually at a financial institution; I have also built/maintained models to detect risky behavior across millions of third-party sellers on amazon.com[1]. Outside of work, I enjoy distance running, reading, and developing/implementing algorithms[2] in C++.

💼 INDUSTRY EXPERIENCE

Current | 2020

Data Scientist
Amazon 📍 Seattle, WA

· Build machine learning models to detect Amazon seller fraud activity
· Manage ETL pipelines to enable automated work-flows
· Maintain model efficacy through retraining and error analysis
· Create software tools to monitor machine learning models in production

2020 | 2017

AVP, Lead Data Scientist
Nuveen 📍 Chicago, IL

· Pioneered end-to-end (execution and experimental design) deep learning time series model for client onboarding; estimated impact of the model was $1 million net revenue annually that maximized client journey (improvement in client retention, client growth, etc.)
· Built recommendation engine for 150,000 clients in 50+ products
· Presented model/analysis to executive management; results included model adoption by 100+ sales people and a significant increase sales for clients treated by the model
· Conceptualized and created simulation engine that isolated, detected and measured the ROI impact of company sales events

2017 | 2014

Senior Equity Research Associate, Financial Services
Raymond James Financial, Inc. 📍 Chicago, IL

· Built company and industry models using finance and statistical techniques, including regression and discounted cash flows (DCF)

🎓 EDUCATION

Current | 2021

Graduate Certificate in Software Design & Development
University of Washington Bothell 📍 Bothell, WA

· C++ data structure & algorithms, object-oriented design, systems programming, and software planning and development

---

View this CV online with links at
https://goldbergdata.github.io/cv

CONTACT

✉ josh.goldberg1@outlook.com

🐦 https://twitter.com/GoldbergData

🐙 https://github.com/GoldbergData

🔗 https://joshuagoldberg.name

in https://www.linkedin.com/in/goldbergdata/

LANGUAGE SKILLS

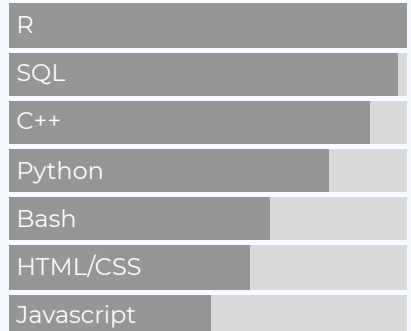|	
R	
SQL	
C++	
Python	
Bash	
HTML/CSS	
Javascript	

Last updated on 2021-10-06.

2021 | ● **Computer Science Coursework**
Edmonds College   📍 Seattle, WA

· C/C++ Data structures & algorithms and object-oriented design

2020
|
2018 | ● **M.S. in Analytics**
University of Washington Bothell   📍 Chicago, IL

· Coursework in statistics, linear algebra, machine learning, and deep learning

2013 | ● **B.S. in Accounting and Finance**
University of South Florida   📍 Tampa, FL

🖥 TEACHING EXPERIENCE

Current
|
2020 | ● **Data Understanding via SQL, Databases, and R**
University of Chicago   📍 Remote

· TA and lecture
· Topics include introduction to databases, mySQL, and R

Current
|
2020 | ● **MastersTrack Statistics for Machine Learning**
University of Chicago   📍 Coursera

· TA and lecture
· Topics include simple and multiple regression, logistic regression, hypothesis testing, variable transformations

Current
|
2020 | ● **MastersTrack Machine Learning**
University of Chicago   📍 Coursera

· TA
· Topics include a survey of machine learning algorithms: kNN, support vector machine, decision tree, random forest, boosted trees, and clustering algorithms

I am passionate about teaching and helping others. It brings me joy and satisfaction to teach others new skills.