

about

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🔊 jacobcvt12

in jacobcvt12

skills

Modeling & simulation
Machine learning
Regression analysis
Linear programming
Time series analysis
Data visualization
Web scraping

programming

R, Python, SQL
C, C++, Bash
MATLAB, SAS

tools

git
L^AT_EX

education

2008–2012 **Bachelor** of Science in **Mathematics**
Graduated with Honor

Virginia Tech

experience

- 2014–Now **Marriott International** Bethesda, Maryland
Manager, eCommerce Analysis
- Assisted with new Marriott user-centric sort order algorithm
 - Developed time series model to determine effectiveness of hotel promotions.
 - Calculated weekly values of search engine keywords in order to best allocate online marketing funds.
 - Performed web scraping of external websites to provide business insights.
 - Worked with datasets greater than one billion rows.
 - Automated reports using R & ggplot2 and ETL using Python scripts.
- 2012–2014 **Deloitte** Arlington, Virginia
Data Analyst
- Managed a client-facing team of three consultants in the analysis of datasets greater than one million rows using SAS. Led regular meetings and presented results and data visualizations to key clients and internal stakeholders.
 - Developed web application to be used by federal agencies to optimize resource allocation. Used Python to perform server-side calculations.
 - Assisted federal agency in meeting requirements of government act using sample selection and estimation of disbursed grants and transactions.
- 2011 **Virginia Commonwealth University, School of Medicine** Richmond, Virginia
Student Research
- Used R programming language to analyze gene expression data and create a gene regulatory network.
 - Created R package to run analysis on future gene expression datasets

activities

- 2013–Now **Arlington Free Clinic** Arlington, Virginia
Volunteer at Free Clinic and assist with medical treatment and triage of the clinic's patients
- 2009–2012 **Individual Applied Piano** Blacksburg, Virginia
Study piano in Virginia Tech's Music Department