

NOAH D. HINDES

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EDUCATION

University of Pennsylvania, Philadelphia, PA

Candidate, Masters in Computer and Information Technology

August 2018 - Present

Coursework in Computer Science

August 2017 - December 2017

GPA: 4.0/4.0

Columbia University, New York, NY

BA, Mathematics

October 2014

GPA: 3.20/4.0

GRE: 170/170 Verbal, 168/170 Quantitative, 5.5/6 Analytical Writing

Opinion Editor, Columbia Daily Spectator (1 year)

PROFESSIONAL EXPERIENCE

University of Pennsylvania Health System, Philadelphia, PA

June 2016 - March 2018

Clinical Practices Analyst, CPUP Department of Medicine

- Developed SQL-based reports as sole in-house developer supporting 70 practices.
- Provided hands-on training for administrative staff in BusinessObjects and Crystal Reports.

Lancaster General Health/Penn Medicine, Lancaster, PA

January 2015 - June 2016

Associate Data Scientist and Business Intelligence Analyst

- Researched, wrote and validated SQL queries to retrieve organization-wide quality and outcome metrics for submission to the Centers for Medicare and Medicaid Services.
- Produced datasets to support analysis of quality measures; used R for statistical techniques.

PROJECTS

New Patient Demand and Supply Modeling (University of Pennsylvania Health System)

- Developed complex SQL queries to automatically retrieve, summarize and pivot EMR data. outcome metrics for submission to the Centers for Medicare and Medicaid Services.
- Produced visualization and flexible model for current-state visit demand; worked with department leaders and faculty to better estimate recurring visit volume and required staffing.

Quality and Cost Drivers in AMI Admissions (Lancaster General Health/Penn Medicine)

- Employed R for statistical analysis and data visualization to help pinpoint drivers for length of stay, direct costs and adverse clinical outcomes. Generated datasets using SQL.

SKILLS

Programming: Professional experience with R and SQL; ongoing coursework in Java, Python

Reporting Applications: Professional experience with Crystal Reports, SAP BusinessObjects

Microsoft Office: Proficient in Excel, PowerPoint and Word

Foreign Languages: Intermediate Japanese (Passed JLPT N3), Elementary Mandarin