ROBERT A. GIAQUINTO

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EDUCATION

University of Minnesota - Twin Cities, Minneapolis, MN   *Sep 2014 – May 2016*
M.S. in Computer Science
Cumulative GPA: 4.00

University of Washington, Seattle, WA   *Jul 2012 - Aug 2012*
Summer Institute in Statistical Genetics
Completed Advanced R Programing & Network and Pathway Analyses of Omics Data workshops

St. Olaf College, Northfield, MN   *Sep 2006 – May 2010*
B.A. in Mathematics, Statistics
Cumulative GPA: 3.36, Statistics GPA: 3.85, Junior/Senior GPA: 3.61

RESEARCH EXPERIENCE

University of Minnesota - Institute for Health Informatics   Feb 2015 - Present
Research Assistant   *Minneapolis, MN*

· Built an automated system for patients to view key sections of medical notes detailing their progress.
· Transformed unstructured text from medical notes using natural language processing techniques into a structured dataset.
· Key sections of text were then identified using machine learning based classification algorithms.

St. Olaf College - Center for Interdisciplinary Research   Sep 2009 - May 2010
Research Fellow   *Northfield, MN*

· Performed statistical research with Professor Julie Legler, chair of statistics department, and in collaboration with St. Olaf's Advancement Office.
· Conducted time-to-event analysis using Cox Proportional Hazard models to measure non-monetary and monetary giving by alumni.
· Presented research at National Conference for Undergraduate Research (NCUR 2010) and to the St. Olaf Board of Regents.

PROFESSIONAL EXPERIENCE

Capella Education Company   Feb 2012 - Feb 2015
Research Analyst   *Minneapolis, MN*

· Developed an automated system to predict academic success of students applying to Capella University.
  - Predictions created focus for academic coaching, signal alerts for faculty, recommend students for targeted orientation courses, and shift marketing strategies.
  - Model building, validation, and visualizations reported through a reproducible framework.
· Built statistical models relating individual factors to a likelihood of defaulting on student loans.
  - Tailored results of model to prioritize financial aid counseling teams.
  - Forecasted Capella University's long range default rate using simulations based on internal and external projections.
· Presented research results for technical, non-technical and executive audiences.

Capella Education Company   Aug 2010 - Feb 2012
Planning & Reporting Analyst   *Minneapolis, MN*

· Built time-series forecasting models for the financial aid processing and customer service centers.
· Developed and presented capacity models, budgets, and resource allocation strategies to management.

TEACHING EXPERIENCE

Exploration Summer Programs - Yale Campus   Jan 2010 - Aug 2010
Instructor/Resident Assistant   *New Haven, CT*

· Taught, advised, and led students in full-time residence and academic setting.
· Developed detailed course curriculums in applied math, logic and problem solving, and agricultural policy.

TECHNICAL STRENGTHS

Programing Languages	Python, R, C/C++, MATLAB, Java, Regex, HTML, CSS, AWK, SAS, LaTeX
Databases	MySQL, PostgreSQL, Oracle, SQLite
Tools	Git, Terminal, Microsoft Suite
Operating Systems	Windows, Mac OSX, Unix