

NICHOLAS A. CARCHEDI

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EXPERIENCE Director of Content Partnerships, DataCamp // 2015 - Present

// Partnering with talented and passionate individuals in industry and academia to develop interactive data science courses on the DataCamp platform

// Defining content development priorities by combining our philosophy of what is important for students to learn (and how) with supply and demand of various data science topics

Senior Analyst, McKinsey & Company // 2014 - 2015

// Used statistical and machine learning methods to help public sector clients make more informed decisions at all levels of their organizations

// Developed web applications to help clients explore their data and make predictions without expert knowledge of underlying models

Student Researcher, Johns Hopkins University // 2013 - 2014

Department of Biostatistics

// Built the Statistics with Interactive R Learning (swirl) educational software platform (see Software Development). Since its inception in 2013, an estimated 300,000 people worldwide have used swirl to learn data science and R programming

// Cofounded with Johns Hopkins faculty mentors the Data Science Specialization, a groundbreaking collection of nine online Coursera courses covering all aspects of the data science process. Over 2,000,000 people worldwide have enrolled in our courses since Summer 2013

// Mentored by Brian Caffo, PhD, Jeff Leek, PhD, and Roger Peng, PhD

Research Volunteer, Johns Hopkins School of Medicine // 2012 - 2013

Center for Surgical Trials and Outcomes Research (CSTOR)

// Conducted basic epidemiological research regarding causes, demographics, and outcomes associated with certain surgical procedures.

// Mentored by Eric Schneider, PhD and Shalini Selvarajah, MD, MPH

Financial Planning Associate, Northwestern Mutual // 2010 - 2013

// Worked as a key staff member for senior insurance and wealth management advisors. Created financial plans and proposals for high net worth individuals and organizations

Financial Advisor, Northwestern Mutual // 2007 - 2010

// Earned the CERTIFIED FINANCIAL PLANNER™ designation while building a referral-based financial planning practice from scratch. Counseled clients on insurance and investment planning

EDUCATION ScM Biostatistics, Johns Hopkins University // 2014

// Cumulative GPA: 3.58

// Relevant Coursework: Methods in Biostatistics I-IV, Essentials of Probability and Statistical Inference I-IV, Introduction to Data Management, Causal Inference in Medicine and Public Health I, Principles of Epidemiology, Introduction to Real Analysis

BS Mathematics and Finance, University of Maryland // 2008

Honors Citation

// Cumulative GPA: 3.374 // SAT: 1440 (out of 1600)

SOFTWARE DEVELOPMENT swirl, Statistics with Interactive R Learning // 2013 - Present

Website: <http://swirlstats.com>

GitHub: <https://github.com/swirldev/swirl>

// swirl is a fun and unique software package that teaches data science and R programming. Students receive immediate feedback as they are guided through self-paced and interactive lessons, allowing them to quickly master new skills in an authentic programming environment

swirlify, a comprehensive toolbox for swirl instructors // 2014 - Present

Website: <http://swirlstats.com/instructors.html>

GitHub: <https://github.com/swirldev/swirl>

// swirlify allows anyone to create his or her own interactive content for the swirl educational platform, then to share that content with the world or with just a few people. The authoring tools accommodate instructor preference by allowing course authoring in multiple formats

COMPUTING SKILLS

// Data Analysis: R, SQL, Excel

// Web: HTML, CSS, Shiny

// General Programming: Python (working knowledge)

// Version Control: Git, GitHub

// Document Preparation: Markdown, LaTeX, Microsoft Office

// Operating Systems: Mac, Windows, Linux

// Other: Command line