

Davis Vaughan

Entrepreneur | Data Scientist | Quantitative Finance

336-880-8129 | dvaughan1130@gmail.com | <https://github.com/DavisVaughan>

Education

The University of North Carolina at Charlotte

Fall 2013 - Spring 2017

Levine Scholar – UNC Charlotte’s most prestigious scholarship. Awarded based on academics, leadership, and civic engagement.

- *Master of Science in Mathematical Finance*
Expected graduation - Spring 2018
- *Bachelor of Science in Mathematics for Business*
GPA - 3.98
- *Minors* – Chemistry, Computer Science
- *Concentrations* – Actuarial Science, Finance

Employment and Experience

Co-founder, Manager of Software

Business Science LLC

January 2017 – Present

- Mission – Focused on creating a network of data science specialists to tackle any corporate analytics project.
- Oversee and implement company software development initiatives such as R packages and course creation.
- Work with clients to develop personalized data science solutions using R, Shiny, and Amazon Web Services.
- R package co-author – tidyquant, timetk, sweep, tibblertime.
- To learn more – www.business-science.io

Actuarial Intern

Lincoln Financial Group

May 2017 – August 2017

- Projects leveraging R – Created Shiny dashboards for visualizing quarterly reports; Parallelized IRR calculations across all product lines; Streamlined the data import process into the actuarial software, MG-ALFA; Created an internal company R package.
- Presented two “Introduction to R” talks to improve workplace technology awareness.

Finance Course Development Intern

DataCamp

January 2017 – April 2017

- Main author of the Introduction to R for Finance and Intermediate R for Finance courses.
- Contributor on four other financially focused R courses.
- Embraced the fast-paced start-up culture and developed the flexibility needed to pivot to new projects and meet strict deadlines.

Quantitative Research Intern

Sterling Capital Management LLC

May 2016 – December 2016

- Automated a Fixed Income Risk Model that utilized Stata, GARCH modeling, SQL, and VBA.
- Projects – VBA portfolio optimization; VBA web scraper for stock price and fundamentals data; Automation tools for pulling from financial data sources; Risk analytics models using R.

Founder and Tutor

Acquired Knowledge Tutoring

Fall 2011 – January 2017

- 500+ hours of tutoring experience with upper level math and chemistry classes.
- Hired, managed, and scheduled other tutors and leveraged VBA to send out automated invoices.

Cultural Immersion Experience

Bolivia

Summer 2015

- Traveled and performed community service throughout rural Bolivia. Refined team skills through an ice climbing rope team.

Programming and Software

Expert – R, Shiny, SQL, VBA, Excel

Advanced – Python, Git, Access

Novice – Matlab, C++, SAS, Java, Stata