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**Education**

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**Bachelor of Science in Biology, Bachelor of Arts in Economics, Chemistry Minor**, May 2015

University of North Carolina at Chapel Hill, Chapel Hill, NC

Cumulative GPA: 3.65

Economics Major GPA: 3.86

**Activities:** Resident Advisor, Undergraduate Research, Peer Tutor, Chemistry Mentor**Honors:** Omicron Delta Epsilon, Buckley Public Service Scholar, Hayden B. Renwick Academic Achievement Award

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**Skills Summary**

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Python	Apache Spark	Apache Hadoop
Apache Hive	SQL	Tableau
R	Git	Excel
SAS	Data Engineering	Predictive Modeling
Management Consulting	Project Management	

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**Work Experience**

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*Valassis Digital* 4/2018-Present**Marketing Science Engineer**

- Develop and implement production level streams to automate the Marketing Science Team's workflow
- Act as the primary contributor to the Marketing Science codebase - ensuring coding best practices across the team
- Design and populate backend tables (Hive and Postgres) to support data products across the Operations organization
- Build self-serve analytics tools for the larger Operations organization

*Valassis Digital* 1/2017-4/2018**Marketing Scientist**

- Set up and perform measurement studies for digital marketing campaigns
- Generate robust post-campaign insights using a variety of data sources (point of sale, panel, demographic, interest etc.)
- Develop python packages to streamline the workflows of the marketing science, and insights data analysis teams
- Build standardized, and dynamically populated tableau templates for use across multiple teams

*Mu Sigma* 9/2015-1/2017**Analytics Associate**

- Work with clients from two Fortune 100 companies to deliver scalable analytics solutions
- Manage and work alongside a team of data scientists in Bangalore to ensure high quality client deliverables
- Involved in the development and validation of two large scale statistical modeling projects
- Perform Ad Hoc analysis, reporting, data mapping, and database QC using SQL, Excel, and R
- Plan and build dashboard visualizations in Tableau and Excel to facilitate insight generation

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**Research Experience**

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*Ko Lab* UNC School of Dentistry 7/2012 – 5/2014**Undergraduate Researcher**

- Performed MTS assays to quantify osteoblast and stem cell growth on Dr. Ko's biomaterial - GEMOSIL

*Ke Lab* UNC Genetic Medicine Building 6/2013-8/2013**Summer Undergraduate Researcher**

- Performed docking of PDE5 and DAPE proteins with the Autodock software and analyzed docking results to determine favorable protein binding conformations and elucidate a reasonable binding mechanism.
- Contributed to Paper – “Discovery of 3-(4-hydroxybenzyl)-1-(thiophen-2-yl)chromeno[2,3-c]pyrrol-9(2H)-one as a phosphodiesterase-5 inhibitor and its complex crystal structure”

*Breese Lab* Bowles Center for Alcohol Studies 7/2012-7/2013**Undergraduate Research Assistant**

- Performed immunohistochemistry assays on rat brain tissue to detect the impact of chronic alcohol exposure on c-Fos expres