

William Gagne-Maynard

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PROFESSIONAL EXPERIENCE

Consumer Intelligence Analyst Nov. 2018 – Current
Groupon

- Analyzed product experiments and customer usage data and reported on results.
- Developed visualizations and dashboards with Hive, Python and Tableau using consumer data and models to identify customer trends and target segments.
- Improved existing consumer models for deal convenience, deactivation and customer value.

Data Specialist Mar. 2018 – Nov. 2018
TINYpulse

- Analyzed customer product usage data to guide product development and set KPIs.
- Created interactive dashboards using RShiny, Tableau and MySQL to track and measure key HR metrics for our customers.
- Supported launch of CheersForPeers.com, a Freemium version of our product, by developing and reporting on key metrics and user profiles and developing and evaluating experiments.

Data Analyst Mar. 2017 – Mar. 2018
Geospatial Team, Institute for Health Metrics

- Created data visualization tools and dashboards using Python and R to validate both model inputs and outputs.
- Analyzed our data using descriptive statistics and clustering tools to identify trends

Research Assistant Sep. 2013 – Oct. 2016
School of Oceanography, University of Washington

- Cleaned, filtered and merged large geophysical datasets from multiple shareholders using Python and SQL.
- Performed statistical analyses on environmental time series data using Python and R statistical packages.

EDUCATION

University of Washington, Seattle, WA

M.S. in Chemical Oceanography, Sep. 2013 – Oct. 2016
GPA: 3.6

- Coursework in Advanced Data Science
- Graduate level coursework: Database Systems, Data Visualization, Software Engineering for Data Scientists, Geospatial Analysis, Geospatial Statistics

Carleton College, Northfield, MN

B.A. Chemistry, June 2013. *Cum Laude*

- Coursework: Data Structures, Environmental Economics, Environmental Modeling

PROJECTS

Metagenome Explorer: <http://borenstein-lab.github.io/burrito/>

Developed an interactive visualization using D3.js and JavaScript for the exploration of metagenomic data sets. This tool allows researchers to interactively explore nested data and the relationships between them.

eRivers: <https://github.com/wgagne-maynard/eRivers>

Created a Python toolkit for reproducible data cleaning, analysis, and visualization of high-resolution and high-dimensional aquatic time series data. This tool allows researchers to input their own data and parameters and move beyond the spreadsheet model for analyzing these growing datasets.

PROGRAMMING AND SOFTWARE EXPERIENCE

Python – 5+ years (numpy / Pandas / scikit-learn)

R - 4 years (data.table / Rshiny / leaflet)

SQL – 3 years (MySQL / HQL / database querying)

Git – 3 years (version control / remote collaboration)

Tableau – 3 years (data visualization / exploratory data analysis / dashboards)