# Gavin Peterkin

Seattle, WA

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## SUMMARY

I'm a recent data science graduate from Galvanize with interests in applied math, research, and machine learning. After receiving my bachelor's degree in astronomy in 2015, I spent over a year as an analyst at an economic consulting firm where I used and developed tools in Python, R, and SQL to help senior economists answer complex questions with data.

## TECHNICAL SKILLS

| MATH AND RESEARCH | COMPUTING | LANGUAGES AND LIBRARIES | DATA |
| --- | --- | --- | --- |
| • Multivariable calculus and linear algebra | • OOP | • Matlab/Octave | • SQL (Postgres, SQLite) |
| • Statistics and probability | • Unix/BASH | • Scala | • MongoDB |
| • Technical research and writing | • GIT | • Python | • Time Series Analysis |
| • Accounting, corporate finance, and economics | • AWS | • Pandas, NumPy, and SciPy | • Web Scraping |
| | • Latex | • Scikit Learn | • GIS (PostGIS, QGIS) |
| | • Web dashboards | • TensorFlow and Keras | • CRISP-DM |
| | | • R (Shiny, statistical analysis) | |

## EDUCATION

### GALVANIZE

Certificate, Data Science

*Seattle, WA | 2017*

### CORNELL UNIVERSITY COLLEGE OF ARTS & SCIENCES

B.A., Astronomy
   Concentration in Astrophysics
   *Cum Laude*

*Ithaca, NY | 2011 – 2015*

## EXPERIENCE

### GALVANIZE

*Seattle, WA | 2017*

**Data Science Student**

Attended the 3 month Data Science program at Galvanize with extensive course work and case studies focused in the following areas:

- Exploratory data analysis, visualization, modeling, and validation with Python and SQL
- Machine learning: decision trees, random forests, boosting, KNN, K-means, SVMs, NLP, and neural networks
- Statistics: A/B testing, linear and logistic regression, and regularization techniques

### ECONORTHWEST

*Seattle, WA | 2016 – 2017*

**Analyst**

- Assisted with backend Python web app development for db101.org, a disability benefits calculator
- Collected, cleaned, and analyzed financial data for over 300 credit unions from multiple data sources for several large-scale economic impact studies across five states
- Refactored, optimized, and developed new features for a python-based dynamic toll optimization model to take advantage of cloud computing resources and vectorized operations
- Introduced new methodology for modeling long-term changes in travel demand using regional model traffic counter data
- Oversaw and engineered internal geocoding tools and services for GIS analysis
- Developed and analyzed spatially-enabled housing databases for county-wide housing supply studies using public tax assessor data

### AMAZON

*Seattle, WA | 2016*

**Vendor Manager (Contract)**

I worked directly with vendors on setting up thousands of new items by gathering and cleaning data for the Furniture team. In Toys, I monitored demand spikes and verified automated price matches in addition to correcting fulfillment center misreceipts.