

# Arne Huang



## EXPERIENCE

### Production Support Technology Analyst

Citi - Toronto, ON

June 2016 – Present

- First level of support for the Citi Velocity Application, 1M+ monthly users, over 1b+ in trade volume monthly
- Play a critical role in the monitoring and deployment of new applications and features
- Provide 24/7 monitoring in conjunction with Asia and European teams via ITRS
- Implemented automation solutions via bash, python, MySQL that turned several possible service disruptions to <5min outages

### Data Scientist – Summer Intern

Customer Marketing Group - Houston, TX

May – Sep 2015

- As a data scientist at CMG, I analyzed large data sets in the consumer packaged goods industry using Excel and R.
- Clients would come with end goals - "I want to drive more bottom line profits" and I dug through the data to find answers.
- I used many statistical techniques such as cluster analysis, time-series analysis, PCA, regression.
- In addition to analysis, we used our data-driven research to present actionable recommendations to clients.
- I finished my time here by making an inventory tracking tool. This tool led to the discovery of several distributors diverting the inventory of our clients. Partnering with upper management, I presented my findings to key stakeholders.

---

## PROJECTS

### Speech to text coding in Python

- Building a WingIDE add-in so that I can code via speech – text in Python
- Check out my progress on my github (linked above, it's the cat)

### Website Design and Development

- Built my personal website using Jekyll and Bootstrap – [www.arnehuang.github.io](http://www.arnehuang.github.io)
- Built several websites for clients. Currently working with a Toronto law firm - [www.brannanlaw.ca](http://www.brannanlaw.ca)

### Memory and Attention Lab – Psychology Department

University of Waterloo

May -Aug 2014

- Designed, coded and analyzed two experiments in Python; successfully reproduced the directed forgetting effect
- Received a NSERC undergraduate research award for outstanding research (\$5000)

### Statistics Department

University of Waterloo

Jan -May 2014

- Successfully modeled several stochastic volatility models in R, then simulated large datasets using MCMC techniques.
- Collaborated on a custom R package (SVModel) to implement MCMC simulation in SV models
- Received a NSERC undergraduate research award for outstanding research (\$5000)

---

## EDUCATION

### Bachelors of Mathematics, Honours Statistics, Joint Honours Psychology

University of Waterloo, Co-op, Deans Honours List

Sept 2011-April 2016