

# Zarni Htet

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## EDUCATION

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- New York University – MS candidate in Applied Statistics, 3.94/4.00** May 2018
- Fall Coursework: Probability Theory, Large Databases in Research, Practicum in R
  - Spring Coursework: Statistical Inference, Missing Data, Multi-Level models, Classification & Clustering
  - Ongoing Projects: Blood Donation Prediction: <http://bit.ly/2kTrA50> , NYC Subway Delays Exploration
- Columbia University – Graduate Foundations Program, Audits** May 2016
- Coursework: Econometrics, Applied Python for Engineers, Linear Algebra, Stats with Calculus
  - R psets: <http://bit.ly/1TZ6qMD>, Python: KNN Classifier, Percolation with Numpy: <http://bit.ly/1r3pEoG>
- Cornell College – BA in Economics and Computer Science, 3.82/4.00** May 2013
- Don Cell Award (Senior Economics Award), Omicron Delta Epsilon, Calculus Math Award
  - Coursework: Intermediate Microeconomics, Databases, Linear Algebra, Differential Equations

## EXPERIENCE

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- General Assembly – Data Science Bootcamp Student** Aug 2015 – Oct 2015
- Programming & Data Bootcamp, Washington, D.C.  
Final project code & write-up: <http://bit.ly/1n0O00P>
- Achieved 77% Classification accuracy with AUC score of 85% in predicting water pump functionality for pumps in Tanzania with data (~50,000 x 39) from Ministry of Water
  - Elaborated concepts & tools used such as regularization, decision tree, pipeline, cross-validation and feature engineering
  - Certified and completed coursework in KNN, Logistic Regression, Regularization, Decision Trees, Random Forest and K-Means
- Prescio Consulting – IT Consultant** Aug 2013 – Aug 2015
- Financial & IT Consultancy, Casa Grande, AZ.
- Led a team of developers to build an interactive Bitcoin merchant directory: Leptabit from wireframing, feature development, 30 table database schema design, high-level optimization to testing and deployment
  - Managed the later stages of alpha stage Bitcoin wallet in feature development and testing
  - Initiated application deployments to AWS EC2 web stack from cost analysis to pilot runs
  - Contributed in the design of 33 table database schema on Client's Land rights web application
  - Led a data scraping team to fill our marketing CRM (~ 500 x 15 - 2 months) database & Bitcoin merchants database (~ 10,000 x 35, rows x columns)
- Zebra Zapps, Allen Interaction – Software Engineering Intern** Aug 2012 – Oct 2012
- Software Development, Mendota Heights, MN.
- Fixed front-end side bugs (html, css, jquery) of the website on Pure MVC framework using firebug tool
  - Automated back-end processes via shell scripting
  - Developed multi-threaded Flickr image downloader
- Grinnell College – Research Student** Jun 2012 – Aug 2012
- Grinnell Computer Science Lab, Grinnell, IA.  
Paper : <http://bit.ly/1PvjW4t>
- Contributed in developing the Client API for Dr.Racket using DBus to communicate with scriptable interfaces such as GIMP to manipulate images with Scheme for intro to computing students
  - Presented at SIGCSE 2013 Conference as part of a larger poster presentation (March 2013)
- The Cornellian – Business Manager** Apr 2011 – May 2012
- College Newspaper, Mount Vernon, IA.
- Administered the budget for the second biggest student organization on campus
  - Raised external funds through securing local advertisements and coordinating the web team
  - Initiated the software switch of the Editors' team onto Google docs for a more streamlined editing process

## TECHNICAL SKILLS

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- R, Stata, Python, SQL, MySQL, RubyOnRails, Java,C, Linux (Ubuntu, Redhat, Debian), Google & Microsoft Productivity Suite.  
Github: <https://github.com/ZarniHtet13?tab=repositories>