

BUNYOD TUSMATOV

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EDUCATION

Miami University, Oxford, OH

Expected May 2019

Master of Science – Statistics / Graduate Teaching Assistant

Selected Coursework: Advanced Data Visualization, Machine Learning, Statistical Programming, General Linear Models, Experimental Design, Applied Regression Analysis, Time Series Analysis, Biostatistics

Master's Project: Using algorithms to convert unstructured text data into structured/semi-structured data

Earlham College, Richmond, IN

May 2013

Bachelor of Arts (College Honors) – Economics major and Mathematics minor

GPA: 3.4/4.0

WORK EXPERIENCE

Miami University, Oxford, OH

Sept 2017 – present

Graduate Teaching Assistant

- Conduct lab sessions for over 100 students, explain statistical concepts and facilitate lab activities
- Effectively communicate and guide students on homework, group projects, and lab assignments
- Create a collaborative classroom environment, hold office hours and homework help sessions
- Provide feedback on project drafts, presentations, and lab assignments

Atria Senior Living, Louisville, KY

Jun 2018 – Aug 2018

Data Science Intern

- Designed and implemented projects in text mining, machine learning, A/B testing, etc. (R, Python, SQL)
- Wrangled data, implemented statistical analyses and effectively communicated results (R, SQL)
- Cooperated and contributed to designing and evaluating complex lead conversion prediction model
- Wrote scripts that connect with IBM's NLU and Google's speech-to-text APIs for text mining purposes (R)
- Automated running a large attrition model and minimized weekly time-spent on running the model (R)

University of Central Asia, Bishkek, Kyrgyzstan

May 2015 – Aug 2017

Math Faculty Member

- Implemented Discrete Mathematics and Calculus curriculums in an active learning classroom
- Designed and prepared lesson plans, activities and presentations to enhance understanding of students
- Arranged and executed tutorial sessions, hold office hours and grade assignments
- Collaborated with other faculty members from different disciplines to create an interdisciplinary learning environment

R.I.S.K. Tajikistan, Dushanbe, Tajikistan

Jan 2015 – May 2015

Business Analyst

- Analyzed business operations of the company and made suggestions for improvements
- Forecasted financial expenses and determined the degree of risk involved with each operation
- Monitored monthly payments of clients and ensured accurate information obtained
- Built a strong relationship with clients and facilitated monthly meetings

Cordasco Financial Network, Philadelphia, PA

May 2013 – Jun 2014

Financial Analyst / Researcher

- Reviewed financial statements and analyzed revenues, costs, expenses of companies
- Provided support with data gathering, compilation and delivery of financial plans
- Assisted the office manager with paying monthly bills and acquiring new accounts
- Controlled call volume and filtered information between departments and Financial Advisors

TECHNICAL/COMPUTER SKILLS

- (Proficient) R; (Proficient) SAS; (Proficient) SQL; (Familiar) Python.
- Import, clean, integrate and transform data set(s) into required shapes using R, SAS and Python
- Build, evaluate and refine predictive models in R, SAS and Python
- Excellent knowledge of data visualization in R (ggplot2, Shiny App, plotly, geomaps) and storytelling showcases (e.g. https://bunyod.shinyapps.io/all_files/ and https://bunyod.shinyapps.io/graduate_project/)
- Implement machine learning projects using classification, regression, neural network and clustering methods
- Proficient knowledge in working with health/pharmaceutical data and implement biostatistical analysis
- Proficient with Natural Language Processing and text analytics methods using R and Python.
- Completed 20 courses at DataCamp towards Data Science with R and Data Science with Python tracks
- Proficient in MS Office and MS Excel's VBA
- Experienced with querying, analyzing, inferencing and presenting a large amount of data using R and SAS

COMMUNITY SERVICES AND VOLUNTEERING

Davis 100 Peace Project, Earlham College May 2010 – Aug 2010

- Managed and successfully completed the project that built a library with updated academic books to serve the educational needs of the vulnerable community
- Coordinated educational project and oversaw \$ 10,000 budget

Business Manager of Red Square Club, Earlham College, USA Sep 2010 – Dec 2012

- Organized and planned events to increase awareness about former Soviet Union countries
- Managed a budget of the club and reported to advisors about expenses and projects

Teaching Assistant for Calculus and Statistics classes, Earlham College, USA Jan 2012 – May 2012

- Tutored students individually and in small groups on learning class materials
- Assisted teachers with grading and preparing learning materials, quizzes and exams

IT Technician, Earlham College, USA Sep 2009 – Dec 2012

- Provided professional support for students and faculty on resolving software, hardware and network issues
- Analyzed and explained technical information to users with varying levels of computer familiarity

AWARDS

- Full Graduate Teaching Assistantship Award, Miami University Sep 2017 – May 2019
 - Shelby Davis Scholarship Sep 2009 – May 2013
 - Full Scholarship to Earlham College Sep 2009 – May 2013
 - 100 Davis Peace Project, \$ 10,000 grant May 2010
 - United World Colleges scholarships to represent Tajikistan Sep 2007 – Jun 2009
 - Youth Leadership Program on Free Expression (USG alumnus) Jan 2007 – Feb 2007
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