Aleksandr Salo

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EXPERIENCE

Github Profile

Google Dev Profile

Software Engineer   *July. 2016 - now*
Google, Mountain View, CA
- Engineering Residency Program.

Research Assistant   *Aug. 2014 - July 2016*
Computer Science, Baylor University, Waco, TX
- Developed: parse & load scripts, models to store new data, views (w/caching) for detailed stats with export, html templates and filters, search page w/filtering, plot tools for http://matrr.com   *(Python & Django, HTML, CSS)*
- Implemented two-step classification algorithm on Random Forests w/bagging to predict future alcoholics (w/76% accuracy) based on behavioral data; created multiple analytical plots.   *(Scikit-learn, Pandas, Matplotlib)*
- Performed spectral analysis, time series transformation and forecasting on the alcohol consumption data by females Rhesus monkeys to show the underlying correlation.   *(R, Zoo)*
- Deployed a local copy of GeneNetwork2 web resource; filled with the new data; updated multiple models.   *(Python & Flask, Nginx)*

Business Analyst   *Oct. 2013 - July 2014*
Liberty Grant Consulting, Moscow, Russia
- Prototyped event-driven simulation algorithm (with gamma distribution queue model) and improved resource utilization for a major bank allowing to reduce average wait time by 15%.   *(R, Kaizen, Six Sigma)*

Project Manager   *Feb. 2011 - Sept. 2013*
Dessence Interactive Agency, Voronezh, Russia
- Managed total seven projects with related teams; gathered and elicited requirements; shaped client's expectations; analyzed and improved team performance by correcting incentives.   *(PM, Communications, Requirements Engineering)*

EDUCATION

Master of Science in Computer Science   *GPA: 3.69*
Baylor University, Waco, TX   *13 May 2016*
Graduate Research in Machine Learning
Outstanding Graduate Student Award 2016
Experience:
- Data Mining: Apriori, CHARM, PCA, ICA .
- Clustering: K-means, GMM, DBSCAN, OPTICS, Graph Entropy.
- Classification: SVM, Random Forests, Naive Bayes.

Bachelor of Science in Computer Science   *GPA: 3.7*
Voronezh State University, Voronezh, Russia   *June 2013*
Minors: Management, Economics, Public Speaking
"Cafe Management" Web & Desktop   *(C#, ASP.NET, MySQL, HTML, CSS)*
"Chto? Gde? Kogda?" Android app for TV game   *(Android kit, Java, OrmLite)*
"DartsCoach" Android app; honored with award from *Russian Association of Darts*.

Online Classes   *Coursera, MIT*
Cryptography, Machine Learning, Game Theory, Compilers, Algorithms, Natural Language Processing

OPEN SOURCE PROJECTS

Android Apps "Cameron Park Disc Golf", "WiFi X Min Off"   *Android Kit*
Web App scitermtranslator.elasticbeanstalk.com   *Django, AWS, EC2*
Dev Notes Blog www.alexsalo.xyz   *Ruby, Jekyll, Github Pages*

EXTRA-	Student Ambassador at Google	*(July. 2015 - Now)*
CURRICULAR	Policy Committee Member at Graduate Student Association (BU)	*(Oct. 2014 - Now)*
ACTIVITIES	Student Body President at VSU	*(Aug. 2012 - Jul. 2013)*
	Cultural Programs Coordinator at VSU	*(Sep. 2010 - Jul. 2012)*
	Editor in Chief, CS-Info at VSU	*(Dec. 2009 - Jun. 2010)*