First name(s)/Surname(s)	**Rebecca**

Website greedykruskal.me
LinkedIn https://www.linkedin.com/in/greedykruskal/
GitHub https://github.com/bikegirl
https://github.com/Penn-TopGuNN/TopGuNN

Education

Graduate	Undergraduate
University of Pennsylvania	**Texas State University**
MS Computer Science - May 2020	BS Chemistry
MSE Computer Science – EGD 12/21	**Austin Community College**
Advisors: Dr. Chris Callison-Burch, Dr. Arvind Bhusnurmath	AS Computer Science
	AA Spanish Foreign Language

Research Interests
Current Projects

Cross- and Multi-lingual Information Retrieval, Knowledge Acquisition Systems, Narrative Event Schemas. DARPA KAIROS, IARPA BETTER (USA National Defense & Security)

Internships

John Hopkins University Mini-SCALE Hackathon January 11-22, 2021
John Hopkins Human Language Technology Center of Excellence June 1-Aug 6, 2021

Current Publications
(Computer Science)

Iglesias-Flores Rebecca* et al. *TopGuNN: Fast NLP Training Data Augmentation using Large Corpora*. NAACL DaSH-LA 2021. https://www.aclweb.org/anthology/2021.dash-1.14/

Kriz, R., *, Miltsakaki, E., **Iglesias-Flores, R.**, Mishra, M., and C. Callison-Burch. *Recasting Text Simplification as a Document Retrieval Task*. 2020. arXiv EMNLP 2020.

Ji, C., Dean, J.L., **Iglesias-Flores, R.A.,** and S.M. Boisvert, "Quantitative Determination of Co-Eluting Compounds by Using Extract Ion Chromatogram in GC–MS," Chem. Educator, in press.

Academic
Achievements

Awarded **NCWIT Collegiate Finalist** for excellence in PhD Research - 2019
Awarded **NSF GRFP** out of **12,000** applicants - 2018
Selected for **NanoCER Summer REU** at UCLA out of **110** applicants
Awarded the **NASA RGSFO Internship** as a Zero-g flyer to ride the "Vomit Comet"
MAES in Las Vegas **– 3rd Place** Research Poster Competition
Featured as **Texas State Rising Star** out of the entire University for NASA research

Volunteer

West Philly Tutoring Project –Tutor, Mentor	Redefine() – URM Tutor, Mentor
Girls Who Code –Tutor, Mentor	UPenn Applicant Support Program – URM Mentor
Penn Emerging Scholars Program –Tutor	Jewish Grad Network – Israel Fellow
	Bair Foundation - Licensed Foster Parent

Technical Skills

Python, C++, C, SQLDict, Numpy Memmaping, Database Frameworks (SPARQL, SQL), Information Retrieval Frameworks (Lucene/Indri Search, Anserini), Language Modeling tools (BERT, GPT-2, etc) NLP Analysis tools (NLTK, AllenNLP, Vector Space Models), Machine Learning Frameworks (Pytorch, Tensorflow, Scikit-Learn).

Relevant Courses

Computer Architecture – CS591	Language Modeling Story Generation – CS700
Set theory/Combinatorics – CS592	Artificial Intelligence – CS521
Data Structures – CS594	Machine Learning – CS520
Algorithms – CS596	Databases – CS550
Internet Web Systems – CS595	Advanced Internet Web Systems -CS555

References available upon request

Work History 7+ years

2016-2018	**DSHS, Newborn Screening.**		2013-2014	**Asuragen, Inc.**
Industry	*Govt. Healthcare and Social Services*		**Industry**	*Medical Devices*
Position Held	Medical Technologist IV		Position Held	Quality Control Analyst II
2015-2016	**Everyday Minerals, Inc.**		2010-2012	**Grifols, Inc.**
Industry	*Cosmetics*		**Industry**	*Pharmaceutical*
Position Held	QA Director		Position Held	QA Technician II
2014-2015	**Genesis Today, Inc.**		2006-2007, 2010	**Health & Human Services**
Industry	*Food & Beverage*		**Industry**	*Govt. Health & Social Services*
Position Held	Program Manager		Position Held	Texas Works Advisor II, IV

Work Experience Details

History of Qualifications	➢ Bilingual, Spanish & English. Fluency Level: Expert interpreter.
	➢ 7 yrs. of Quality experience in cGMP-regulated facilities, emphasis in Audit Preparation.
	➢ 6 years of management and training experience, including supervising up to 22 people
	➢ 4 Years of paid chemistry research experience in Organic, Analytical, and Electro -Chemistry:
	➢ Texas State Rising Star: http://www.txstate.edu/news/news_releases/news_archive/2009/03/NASA030909.html
DSHS, NBS.	2016-2018
Industry	*Healthcare and Social Services*
Position Held	Medical Technologist IV: Galactosemia & Biotinidase Screening Team
Main activities and responsibilities	➢ Serving as an authority and role model, responsible for monitoring staff and training personnel.
	➢ Performing complex fluorometric/colorimetric assays for newborn screening.
	➢ Technical writing: developing and updating SOP procedures and Validations.
Notable Achievements	☆ Streamlined releasing process through SOP development and new validation and technical writing for new GSP platform
Everyday Minerals, Inc.	2015-2016
Industry	*Cosmetics*
Position Held	Director of Quality
Main activities and responsibilities	➢ Audit Preparation and cGMP gap analysis and risk assessment for cosmetics and skin care.
	➢ Managing Document Control, Finished Product, and Stability Programs.
	➢ Developing new team members and detailing their progress in each area of training.
	➢ Creating and structuring the following programs: Supplier Qualification, Raw Material, Retain, Shelf-life Extension, Safety Trending, Skip-Lot Testing, and Metrology.
	➢ Expert in Cosmetic Chemistry Theory and ISO test methods for appropriate testing application.
	➢ Proficient knowledge of regulations associated with the cosmetic industry, including: The Cosmetics Regulation 1223/2009, Cosmetics Directive 76/768/EEC, ICCR, GMP ISO 22716, 21 CFR 73, 74, and 82, 21 CFR 700, 710, 740.11, 740.12 and 740.17.
	☆ Building several programs in order to fill gaps in processes and company policy
Notable Achievements	☆ Skip-Lot Testing Program, saving hundreds of thousands of dollars in yearly revenue
Genesis Today, Inc.	2014-2015
Industry	*Food Beverage and Dietary Supplements*
Position Held	Program Manager
Main activities and Responsibilites	➢ Audit preparation and response; Audit host and SME, including: Intertek, ISO, NSF, and FDA.
	➢ Document control/technical writing: SOPs, NCRs, CAPAs, CPAs, Policies, Forms, Protocols, etc.

	➢ Customer Complaint Program Manager for US & Canada.
	➢ QC testing for raw materials & finished product: Identity, quality, potency, purity, & strength.
	➢ Proficient in PMP principles: Idea/Initiation Phase, Creative Rendering, Formulation & Execution, On-going training (continuous improvement), Annual Review, etc.
	➢ Proficient Knowledge of regulations associated with Food Beverage & Dietary Supplements, including: ISO 9000 family, ISO 13485, 21 CFR 11, 110, 111, 120 and 820
Notable Achievements	☆ Expert in Excel: Creator of safety trending database for label claim and food safety compliance

Asuragen, Inc.	2013-2014
Industry	*Medical Devices*
Position Held	Quality Control Analyst II
Main activities and responsibilities	➢ Audit preparation and response, including: BSI, CLIA, ISO, and FDA
	➢ QC Testing on custom products and cGMP medical devices (Amplidex, RNA retain, KRAS/BRAF, Armored RNA), including: Characterization, RT-PCR and gel electrophoresis, functional assessment, pH concentration, nuclease testing, raw materials, stock solutions, intermediates, in-process and filled components.
	➢ Perform calibrations and validations on the following equipment: Luminex 100/200, ABI 3130xl Genetic Analyzer CE, ABI 7500 Fast Dx Real-Time PCR System, Thermal Cycler GeneAmp PCR System 9700, Agilent 2100 BioAnalyzer, NanoDrop Spectrophotometer ND-1000/2000, and Thermo Nicolet Avatar 370 FT-IR.
	➢ Technical writing, including: SOPs, CAPAs, NCRs, OOSs, deviations, etc.
Notable Achievements	☆ Coordinator for Audits, new temperature monitoring system, and clean room lab conversion.

Grifols, Inc.	2010-2013
Industry	*Pharmaceutical*
Position Held	Quality Assurance Technician II
Main activities and responsibilities	➢ Perform test batch review and release for final result reporting
	➢ Temperature probe studies and validations of all freezers and refrigerators (20+)
	➢ Proficient in operating diagnostic instrumentation and all related data analysis: PRISM, Triturus, Tigris, Helena System 3000, Architect C8000, centrifuges Beckman Coulter & Sorvall rt7, and Hamilton STAR.

Health & Human Services	2006-2010
Industry	*Healthcare and Social Services*
Position Held	Texas Works Advisor II, III, and IV
Main activities and responsibilities	➢ Floor Bilingual interpreter
	➢ Help manage and train 22 people in Unit 92 for Children's Medicaid.
	➢ Determining eligibility for individuals to receive Medicaid benefits, Food Stamps, TANF, or emergency Medicaid.
Notable Achievements	☆ Promoted to Assistant supervisor in 8 months