

First name(s)/Surname(s)

**Rebecca**



**Website**  
**LinkedIn**  
**GitHub**

[greedykruskal.me](http://greedykruskal.me)  
<https://www.linkedin.com/in/greedykruskal/>  
<https://github.com/bikegirl>  
<https://github.com/Penn-TopGuNN/TopGuNN>

**Education**

**Graduate**

**University of Pennsylvania**  
MS Computer Science - May 2020  
MSE Computer Science – EGD 12/21  
*Advisors: Dr. Chris Callison-Burch, Dr. Arvind Bhusnurmath*

**Undergraduate**

**Texas State University**  
BS Chemistry  
**Austin Community College**  
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., \*, Miltakaki, E., **Iglesias-Flores, R.**, Mishra, M., and C. Callison-Burch. *Recasting Text Simplification as a Document Retrieval Task*. 2020. arXiv EMNLP 2020.

**Past Publications**  
(Chemistry)

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 – **3<sup>rd</sup> 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  
Girls Who Code –Tutor, Mentor  
Penn Emerging Scholars Program –Tutor  
Redefine() – URM Tutor, Mentor  
UPenn Applicant Support Program – URM Mentor  
Jewish Grad Network – Israel Fellow  
Bair Foundation - Licensed Foster Parent

**Technical Skills**

Python, C++, C, SQLDict, Numpy Memmapping, 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  
Set theory/Combinatorics – CS592  
Data Structures – CS594  
Algorithms – CS596  
Internet Web Systems – CS595  
Language Modeling Story Generation – CS700  
Artificial Intelligence – CS521  
Machine Learning – CS520  
Databases – CS550  
Advanced Internet Web Systems -CS555

## Work History 7+ years

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

## 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](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.

Notable Achievements

- ☆ Building several programs in order to fill gaps in processes and company policy
- ☆ 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 Responsibilities

- 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
- ☆ Expert in Excel: Creator of safety trending database for label claim and food safety compliance

Notable Achievements

**Asuragen, Inc.**

**Industry**

Position Held

Main activities and responsibilities

2013-2014

*Medical Devices*

Quality Control Analyst II

- 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.
- ☆ Coordinator for Audits, new temperature monitoring system, and clean room lab conversion.

Notable Achievements

**Grifols, Inc.**

**Industry**

Position Held

Main activities and responsibilities

2010-2013

*Pharmaceutical*

Quality Assurance Technician II

- 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**

**Industry**

Position Held

Main activities and responsibilities

2006-2010

*Healthcare and Social Services*

Texas Works Advisor II, III, and IV

- 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.
- ☆ Promoted to Assistant supervisor in 8 months

Notable Achievements