

First name(s)/Surname(s)

Address(es)

Telephone(s)

E-mail

Nationality

Website

LinkedIn

GitHub

Education

Research Interests  
Current Projects

Internships

Current Publications  
(Computer Science)

Academic  
Achievements

Volunteer

Technical Skills

Relevant Courses

**Rebecca Iglesias-Flores**

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Mexican & US-Citizen

[greedykruskal.me](http://greedykruskal.me)

<https://www.linkedin.com/in/greedykruskal/>

<https://github.com/bikegirl>, <https://github.com/Penn-TopGuNN/TopGuNN>

**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

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

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

**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.

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

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

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).

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

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

#### Industry

2016-2018  
*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.

#### Industry

2015-2016  
*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.

#### Industry

2014-2015  
*Food Beverage and Dietary Supplements*

Position Held

Program Manager

Main activities and Responsibilities	<ul style="list-style-type: none"> <li>➤ Audit preparation and response; Audit host and SME, including: Intertek, ISO, NSF, and FDA.</li> <li>➤ Document control/technical writing: SOPs, NCRs, CAPAs, CPAs, Policies, Forms, Protocols, etc.</li> <li>➤ Customer Complaint Program Manager for US &amp; Canada.</li> <li>➤ QC testing for raw materials &amp; finished product: Identity, quality, potency, purity, &amp; strength.</li> <li>➤ Proficient in PMP principles: Idea/Initiation Phase, Creative Rendering, Formulation &amp; Execution, On-going training (continuous improvement), Annual Review, etc.</li> <li>➤ Proficient Knowledge of regulations associated with Food Beverage &amp; Dietary Supplements, including: ISO 9000 family, ISO 13485, 21 CFR 11, 110, 111, 120 and 820</li> </ul>
Notable Achievements	☆ Expert in Excel: Creator of safety trending database for label claim and food safety compliance
<b>Asuragen, Inc.</b>	2013-2014
<b>Industry</b>	<i>Medical Devices</i>
Position Held	Quality Control Analyst II
Main activities and responsibilities	<ul style="list-style-type: none"> <li>➤ Audit preparation and response, including: BSI, CLIA, ISO, and FDA</li> <li>➤ 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.</li> <li>➤ 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.</li> <li>➤ Technical writing, including: SOPs, CAPAs, NCRs, OOSs, deviations, etc.</li> </ul>
Notable Achievements	☆ Coordinator for Audits, new temperature monitoring system, and clean room lab conversion.
<b>Grifols, Inc.</b>	2010-2013
<b>Industry</b>	<i>Pharmaceutical</i>
Position Held	Quality Assurance Technician II
Main activities and responsibilities	<ul style="list-style-type: none"> <li>➤ Perform test batch review and release for final result reporting</li> <li>➤ Temperature probe studies and validations of all freezers and refrigerators (20+)</li> <li>➤ Proficient in operating diagnostic instrumentation and all related data analysis: PRISM, Triturus, Tigris, Helena System 3000, Architect C8000, centrifuges Beckman Coulter &amp; Sorvall rt7, and Hamilton STAR.</li> </ul>
<b>Health &amp; Human Services</b>	2006-2010
<b>Industry</b>	<i>Healthcare and Social Services</i>
Position Held	Texas Works Advisor II, III, and IV
Main activities and responsibilities	<ul style="list-style-type: none"> <li>➤ Floor Bilingual interpreter</li> <li>➤ Help manage and train 22 people in Unit 92 for Children's Medicaid.</li> <li>➤ Determining eligibility for individuals to receive Medicaid benefits, Food Stamps, TANF, or emergency Medicaid.</li> </ul>
Notable Achievements	☆ Promoted to Assistant supervisor in 8 months