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| Grant M Berry, PhDLanguage Scientist. ML/Data Expert.Stress Baker. | | | | | | | | | | | | | | | | | |
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|  | **Smart Phone with solid fill** |  | +1 (857) 762-4887 |  | **Send with solid fill** |  | berry.grant@gmail.com |  | **Marker with solid fill** |  | 2740 Latona Street Philadelphia, PA 19146 | | |  | **World with solid fill** |  | grantberry.info |
|  | | | | | | | | | | | | | | | | | |
| Experience | | | | | | | | | | | |  |  | | | | | |
| Education | | | | | |
| 2020-Present  **Assistant Professor | *Villanova University***   * Design courses and instruct undergrads on linguistics, cognitive science, and AI * Build an interdisciplinary, independent research program focused on language use, cognitive processing, LLMs, and the human ability to adapt to change * Publish results of quantitative research in 4 high-impact academic journals * Mentor over 20 undergraduate researchers as principal investigator of LUV Lab * Statistical modeling of multimodal language data at scale in R and Python * Write technical grant proposals to secure over $50k in research funding   2021-2022  **Applied Scientist II | Amazon**   * Fine-tuned data quality program for Prime Video subtitle localization * Collaborated with international colleagues to develop proprietary human-in-the-loop localization software with verbosity and style personalization * Published collaborative paper at COLING 2022 conference   2019-2020  **Technical Program Manager II | Amazon**   * Created and managed a data quality program to support sourcing language data for internationalizing large language models using MTurk, SQL, and Tableau * Specified KPIs and created automated alarms using AWS Cloudwatch * Forecasted data throughput using generalized additive modeling * Compiled quality metrics and reports for executives and stakeholders weekly   2018-2019  **Language Engineer II | Amazon**   * Created ontologies and phrase maps for developing new features for home and personal use cases (e.g., timers, reminders, recipes) * Developed and deployed deterministic and probabilistic NLP artifacts to production environments using git, FSTs, and virtual machines * Composed onboarding runbooks and trained 6 new teammates | | | | | | | | | | | |  | **2018** **PhD** Language Science  **2014 MA** Spanish Linguistics  **2010** **BS** Mathematics  **2010** **BA** Spanish  **Visiting Scholarship**  **2024** Radboud U  **2017** U of Pennsylvania  **2015** Max Planck Institute  **2015** Linguistic Society Institute  **Selected Awards**  **2023** Research Catalyst ($35k)  **2018** Ray Lombra Award  **2017** **NSF** Grant ($18k)  **2011 Fulbright** Grant (Argentina) Skills **Data Science**: Data visualization, Virtual machines; CLIs; APIs; Version tracking; Bayesian statistics; Time series analysis; Feature selection; Data pipelines  **Language Science**: LLMs, Generative AI, Prompt Generation, ASR; Language variation; Ambiguity; Localization; Multilingualism; Speech acoustics  **Program Management**: Effort scoping; KPIs; Roadmapping; Agile; Knowledge translation Languages/Packages - Near-native fluency in **Spanish**  - **Python 3.x**: scikit-learn, pytorch, pandas, nltk, librosa, langchain, huggingface, jupyter, conda, matplotlib, seaborn, mne  - **R**: tidyverse, rstanarm, lme4, mgcv  - **SQL, shell**, **git**, **SSH, AWS CLI, CUDA, Docker, PRAAT** | | | | | |
| Selected Media Outreach | | | | | | | | | | | |
| [Gotta have *rizz* to *slay*: Oxford’s Word of the Year](https://www.audacy.com/podcast/kyw-newsradio-in-depth-0da71/episodes/you-gotta-have-rizz-to-slay-how-oxford-chooses-its-word-of-the-year-25daf) | *KYW News Radio*  [Alexa, how do you work?](https://www1.villanova.edu/vu/magazine/fall-2023/features/alexa-how-do-you-work.html) | *Villanova Magazine*  [Community Conversations: Sociolinguistics](https://www.youtube.com/watch?v=H_MLbfrsrWQ) | *Main Line Network*  [Does Elmo have a Philly Accent?](https://www.phillymag.com/news/2022/01/21/elmo-philadelphia-accent/) | *Philadelphia Magazine* | | | | | | | | | | | |
| Selected Publications (\*denotes undergraduate co-author) | | | | | | | | | | | |
| Patchell, A.\*, & **Berry, G.M.** (2024). TH-stopping in Philadelphia Puerto Rican English. *Language Variation and Change*.  Gupta, P., Nelakanti, A., **Berry, G.M.**, & Sharma, A. (2022). Interactive post-editing for verbosity-controlled translation. Proceedings of *COLING* 2022.  Requena, P.E., & **Berry, G.M.** (2021). Cross-linguistic influence in L1 processing of morphosyntactic variation: Evidence from L2 learners. *Applied Psycholinguistics*  **Berry, G.M.**, & Ernestus, M. (2018). Phonetic alignment in English as a *lingua franca*: Coming together while splitting apart. *Second Language Research*.  Full list: [https://scholar.google.com/citations?user=Hf8ez5EAAAAJ&hl] | | | | | | | | | | | |
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