

Chris Riley

Software Engineer

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Living In Fishers, IN

GitHub <https://github.com/christophriley>

Software engineering professional with over 6 years of experience building real-world software and data models and deploying them to production environments. I have a strong background in linguistics and NLP, and have spent my entire career developing software in and around that space, particularly in social media and marketing. I am looking for an opportunity to apply my skills and initiative in a collaborative, product-centric environment where I can learn and grow my expertise. I have a broad skillset, and I am looking to go deeper in software engineering.

Experience

- 2018-10 - 2019-09

Linguistic Tools Engineer - Ontology

Facebook via ProUnlimited, CoreTechs Inc. (contract)

 - Built full stack external-facing tools for data creation and automated data quality checking using React and PHP/Hack
 - Designed and implemented components for broad-scope ontology management tools
 - Created Python tooling for parsing ontologies in RDF/OWL formats and converting them to materialized JSON documents
 - Made functionality and UX/UI improvements to online training applications
 - Assisted and mentored team members with scripting and software engineering
- 2013-08 - 2018-08

Senior Computational Linguistics Researcher

Networked Insights

 - Built a linguistics annotation and classification engine with Python using spaCy and Google Cloud Platform
 - Built a FastText model for text classification at scale, from research to production
 - Built a multi-threaded, on-demand emotional analysis pipeline in Java for an advertising campaign on Twitter
 - Prototyped front-end visualizations, proofs-of-concept, and alpha products with Python and Javascript/NodeJS
 - Owned development and maintenance of rule-based classifiers to identify topics and trends in social media
 - Built a hierarchical taxonomy for organizing and navigating tens of thousands of content classifiers
- 2012-10 - 2013-08

Support Engineer

Orc Software (Now Itiviti)

 - Investigated and solved problems on live systems in high-frequency trading
 - Wrote Java modules for automated testing and deployment

Skills



Education

- 2010-08 - 2012-05

Indiana University, Bloomington

M.A. in Computational Linguistics
- 2006-08 - 2010-05

Indiana University, Bloomington

B.A. in General Linguistics