# Christopher **Kuzma**

## INFO
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## EDUCATION
M.A. 2015
Indiana University
Computational Linguistics

B.A. 2012
University of Oregon
German Studies

## LANGUAGES
Python - JavaScript
Java - Scala - SQL - C++
Markdown - German

## TOOLKITS
PySpark - Node.js
Flask - NPM - Express
NLP - NLTK - spaCy
Git - Sentinel

## CONCEPTS
NLU - APIs
TDD - OOP
Sync - Async

## SOFTWARE
macOS - Linux
Windows - Office
VisualStudio - IntelliJ
Docker - Jenkins
Jupyter - Selenium
Arduino - FreeCAD
Adobe Creative Suite

## CLOUDS
AWS - Azure
GCP - IBM
Salesforce

## EXPERIENCE

**Stealth Startup:** *Software Engineering Advisor*
    Jul 2023 - Present || Bloomington, IN
Refactored existing content publishing system and created documentation.
Interviewed CTO candidates to ensure technical competency. Performed data
migration to new hosting service including an audit of data for duplicates and
incomplete records. Prototyped automated data scraping as a method to increase
contextual linking in guides.

**Capital One:** *Senior Data Engineer*
    Apr 2024 - Sep 2024 || Plano, TX
Assembled email campaign datasets by combining the requisite customer information
from disparate data stores. Generated detailed campaign performance reports to
enable timely sales outreach. Wrote data firehose extraction code for deployment into
ETL pipelines to better understand customer needs in real-time.

**Kinesso:** *Senior NLP Data Engineer*
    Aug 2021 - Jun 2023 || Bloomington, IN
Vetted new sources of German PII data for incorporation into customer data graph.
Wrote automation for graph analytics to understand the impact of code updates.
Investigated discrepancies in graph node connections and identified potential solutions
to improve graph quality. Created and deployed bespoke internal NLP analytics tools.

**State Farm Insurance:** *Software Engineer*
    Nov 2020 - Aug 2021 || Phoenix, AZ
Implemented cloud application control checks to comply with risk and compliance
mandates. Mapped security compliance data data streams to overview dashboards.
Wrote policies-as-code to prevent future security risks.

**Axon:** *Software Engineer*
    Apr 2020 - Jun 2020 || Seattle, WA
Prototyped NLP functionality for automatic police report generation. Implemented new
features (tag searching, accessibility) into the digital evidence management platform.

**Indeed.com:** *QA Team Lead*
    Mar 2019 - Mar 2020 || Seattle, WA
Led QA team in high-priority CCPA and LGPD compliance rollouts. Developed new
procedures implemented across multiple teams to ensure high code coverage.
Mentored team in use of Selenium UI testing to prevent product feature regressions.

**Amazon Lab126:** *Alexa Language Engineer*
    Aug 2017 - Mar 2019 || Seattle, WA
SME for launch of Alexa services in Germany. Compiled finite-state transducers for
implementation into Alexa's NLU system to support new features. Maintained text
annotation specifications to ensure consistent training data. Vetted and performed data
hygiene on new data sources as they were incorporated into the knowledge graphs.

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**IBM Watson Group:** *NLP Software Engineer*
     May 2015 - Aug 2017 || New York, NY
Wrote code implementing NLP techniques (anaphora resolution, context switching, entity resolution, word disambiguation) as internal APIs to be exposed externally via IBM's Watson cloud service offerings.  Generated custom training data for advertising chatbots.  Developed search algorithms to power Watson News' contextual links.  Implemented multilingual models into the Watson Virtual Agent chatbot platform.

**IBM Watson Group:** *Cognitive Software Development Intern*
     May 2014 - Aug 2014 || Austin, TX
Created a sandboxed statistical machine learning platform to identify individual knowledge deficiencies based on user interaction with an educational software application.  Conducted market research to learn about the adoption potential for proposed MVPs and generated reports to estimate their likelihood for success.

**Substitute Teacher:** *German International School Portland*
     Feb 2013 - Aug 2013 || Beaverton, OR
Generated lesson plans on-the-fly to reinforce previous classroom instruction.  Provided homework assistance in the form of grammatical and vocabulary games.  Supervised children aged 5-11 years old.  Gave introductory marketing software lessons to staff.

**Business Development Manager:** *ClipFlip GmbH*
     Jul 2012 - Dec 2012 || Hamburg, Germany
Implemented consistent brand communication standards.  Created letterheads to accommodate disparities language-to-language.  Managed translation team in generating multilingual versions of copy.  Ran social media accounts for English-speaking markets and verified PR continuity across all languages.