Christopher Kuzma

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Education

Indiana University Bloomington – 2015, M.A. Computational Linguistics
University of Oregon – 2012, B.A. German Studies

Experience

State Farm Insurance: Software Engineer (Nov 2020 - Present || Phoenix, AZ)
Implemented cloud application control checks as part of State Farm's Governance, Risk & Compliance team.
Mapped security compliance data streams to the Automated Risk Assessment Management dashboard.
Wrote Sentinel policies to help other teams avoid security incidents. *(Technologies: AWS, Terraform, Python)*

Axon: Software Engineer (Apr 2020 - Jun 2020 || Seattle, WA)
Wrote code implementing new features and bug fixes on Axon's digital evidence management platform.
Authored documentation for internal code repositories and company processes. Advocated for and
implemented accessibility-centric product changes. *(Technologies: AWS, Azure, Scala, Finagle, React)*

Indeed: QA Team Lead (Mar 2019 - Mar 2020 || Seattle, WA)
Organized and led QA team efforts for high-value product and feature launches including CCPA and LGPD
compliance rollouts. Designed, promoted, and helped execute new and existing QA procedures within the
Indeed Communications group. Wrote end-to-end tests that mimic user interactions on Indeed's account
management portal to prevent product feature regressions. *(Technologies: Java, Selenium)*

Amazon Lab126: Alexa Language Engineer (Aug 2017 - Mar 2019 || Seattle, WA)
Wrote, compiled, and optimized finite-state transducers for implementation into Alexa's language
understanding systems to support new Alexa features. Drafted and promoted text corpora annotation
specifications. Created German-language grammar parsing logic which enabled the launch of Alexa in
German-speaking countries. Vetted, scraped, cleaned, and added new information sources into the
knowledge graphs (Evi, Graphiq) utilized by Alexa. *(Technologies: AWS, Java, Python)*

IBM Watson Group: NLP Software Engineer (May 2015 - Aug 2017 || New York, NY)
Wrote backend code for advanced NLP features (anaphora resolution, context switching, entity resolution,
word disambiguation) to be implemented into chat bots deployed in customer support roles and online
advertisements. Created an information search pipeline for Watson News. Optimized intent classifier training
data. Implemented multilingual capabilities into the Watson Virtual Agent platform. *(Technologies: IBM Cloud,
Python, JavaScript, Node.js, Flask, NLTK, spaCy)*

Skills

Python, JavaScript, Java, Embedded C, Natural Language Processing, Linguistics, German

Projects

Off-Grid Long-Range Communications System *(Aerial Drone, Raspberry Pi, S-Pixie QRP Radio, Python)*
6' x 4' Programmable LED Display Board *(Woodworking, NodeMCU, C++)*
Air Traffic Control Alexa Skill *(Python, ADS-B API, Google Maps API, AWS Lambda)*
Twitter-controlled Power Switch *(Java, Arduino, Wit.ai API)*
Internet-Connected Apartment HVAC Controller *(ESP8266, BeagleBone, Python, IBM Bluemix)*
Sonority Distance Calculator *(Python)*