KATERINA BOSKO

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LinkedIn: k-bosko • GitHub: k-bosko • Portfolio: www.cross-validated.com
Available: Fall 2022 for co-op or internship

EDUCATION

Northeastern University, San Jose, CA   September 2021 – Present
Khoury College of Computer Sciences   Expected Graduation: May 2023
Candidate for a Master of Science in Computer Science   GPA 4.0
Coursework: Fundamentals of Cloud Computing (AWS), Databases (projects with SQLite, MongoDB, Redis),
Programming Design Paradigm (Java), Special Topics in Database Management (Hadoop, Spark, MapReduce)

De Anza College, Cupertino, CA, GPA 4.0   September 2020 – August 2021
Specialization: Data Structures, Programming (C++, Python), Linux (Bash), SQL (Oracle, SQLite)

University of Bremen, Bremen, Germany   October 2009 – October 2017
PhD in Political Science

SKILLS

Technical: Python, Java, Git, SQL (Oracle, SQLite), NoSQL (MongoDB, Redis), HTML/CSS
Data Visualization: Tableau, Power BI, MS Excel
Soft: Excellent verbal/written communication, and presentation skills, strong analytical skills, highly organized

WORK EXPERIENCE

University of Bremen, Bremen, Germany   October 2013 – January 2018
Research Assistant/ Managing Editor of "Ukraine-Analysen" (3500+ subscribers)

- Formulated high impact content of 60+ issues of online biweekly analytical digest; defined digest's strategic direction
- Built relationships with 100+ potential authors/researchers in the U.S. and Europe
- Managed a group of 3 people: coordinated processes of proofreading, translation, and layout
- Collected, analyzed, and visualized data on key topics of each issue resulting in 400+ data assets (opinion polls, statistical data, press reviews, etc.)
- Authored 30+ analytical articles and presented at 25+ public events
- Increased subscription base by 35% through digest marketing at public events and in social media

PROJECTS

GhostKitchen App

- Designed a database for a restaurant chain from scratch by analyzing business requirements
- Implemented relational schema in SQLite and populated database with test data
- Teamed with another student to develop a Node.js app using Express framework, Bootstrap and SQLite; the app supports CRUD operations for processing new orders

Personal Website Cross-Validated.com

- Developed own website/blog powered by Jekyll and hosted on GitHub Pages (11 stars, 33 forks)
- Wrote technical documentation on website development process
- Grew a technical blog from 0 to 400 visitors/month in 6 months

Data Cleaning for a Pharmaceutical Company (freelance)

- Extracted relevant information using Python and RegEx from a messy data of pharmaceutical imports (100,000+ rows)
- Web scraped open-source pharmaceutical database to ensure data quality of extracted information

CERTIFICATES

- De Anza College Certificate of Achievement (2021): Programming in Python with honors
- Udacity Nanodegrees (2018-2020): Data Science, Predictive Analytics for Business, Digital Marketing