

Severyn Kozak

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github.com/sevko

SKILLS

Languages: Python, C, Javascript, Haskell, Java, CSS, SASS

Tools: Linux, Git, Nginx, PostgreSQL, Elasticsearch, MongoDB, Flask, Jekyll, Node.js, PostGIS

Skills: databases, web, GIS, compilers, performance testing

EXPERIENCE

Software Engineering Intern at [MongoDB](#) 06/2016 - 08/2016

Worked on performance at MongoDB.

- worked on the team responsible for performance regression testing
- focused on test analysis, which consumes the diagnostic data produced by performance tests and tries to identify performance regressions based on throughput over time, resource usage, logs, etc.
- improved our analysis logic, making it flag errors more intelligently and digest more diagnostic data
- added linting, testing, and helpful tooling to our Python codebase

Software Engineering Intern at [Mapzen](#) 07/2014 - 06/2015

Interned at Mapzen, an open-source and open-data geographic software startup, during my gap year.

- developed our Node.js/Elasticsearch-based geocoder, [Pelias](#)
- reduced data build times from days to hours, improved geo-hierarchies, added new datasets, etc.
- managed regular deployments in multiple environments and follow-up testing/QA
- worked on our high-volume map [vector tile service](#)'s PostgreSQL, Python, and AWS infrastructure
- worked with huge geographic datasets like OpenStreetMap, OpenAddresses, and GeoNames

Computer Science Tutor at self-employed 01/2014 - 06/2014

- tutored two high-school students in introductory computer science
- taught a middle-school student how to program in Python

Programming Mentor/TA at [CSTUY](#) 10/2013 - 05/2014

- mentored 25 high school students at weekly, three-hour programming sessions
- helped teach Python, databases, simple web-dev, and basic computer science

EDUCATION

MIT *B.S. in Computer Science* 2015-'19

Stuyvesant High School 2010-'14

PROJECTS

portfolio: a collection of all my personal work. github.com/sevko/portfolio

bitshift: a source-code search engine ([demo](#)). bitshift.it