

# Severyn Kozak

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github.com/sevko

## SKILLS

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**Languages:** Python, C, Java, Javascript, Haskell

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

**Skills:** web, GIS, compilers, performance testing, security, graphics

## EXPERIENCE

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**Software Engineering Intern** at [Cryptosense](#) 06/2017 - 08/2017  
Working on automated crypto-vulnerability/misuse detection tools.

**Software Engineering Intern** at [MongoDB](#) 06/2016 - 08/2016  
Worked on performance regression testing at MongoDB.

- 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

**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

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

**Stuyvesant High School** 2010-'14

## PROJECTS

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**portfolio:** a collection of all my personal work. [github.com/sevko/portfolio](https://github.com/sevko/portfolio)