

# Ilya Yudkovich

[yudkovich.i@husky.neu.edu](mailto:yudkovich.i@husky.neu.edu)

[github.com/ilyayudkovich](https://github.com/ilyayudkovich)

617-816-5518

## Education

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### Northeastern University

Fall 2014 - Present

Candidate for Combined MS/BS Computer Science and Mathematics Degree, 2019

GPA 3.45/4.0; Dean's List

Related Courses: Number Theory, Geometry, Discrete Structures, Logic and Computation, Theory of Computation, Algorithms, Object Oriented Programming, Computer Systems, Database Design, Software Development, Foundations of AI, Computer Graphics, Linear Algebra, Complex Variables

## Skills

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**Languages:** Python, Java, C++, SQL, Rust, Scala, JavaScript

**Technologies:** AWS S3, AWS Lambda, AWS Cloudwatch, AWS CloudFormation, Git, Jenkins, MongoDB, Racket, XCode, Protobufs, CMake

## Projects

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• CLI for texting via smtp for Frisbee in Python

Fall 2017

• CLI for texting via smtp for Frisbee in Python

Fall 2017

## Experience

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### Kyruus Inc Software Developer - Boston, MA

July 2018 - Dec. 2018

- Part of DAD team that re-architected loading Doctor's calendars from multiple vendors' systems using a combination of S3, Python, and Jenkins
- Converted monolithic program for loading multiple vendor's calendars to AWS Lambda
- Updated 20K+ clinical term library using word2vec to determine similarities and character-based RNN to determine belonging
- Designed encoding/decoding protocols used during validation of doctors availabilities

### Starry Inc Firmware Engineer - Boston, MA

July 2017 - Dec. 2017

- Worked on five person agile team developing firmware
- Implemented api libraries to get information from devices using C++, Python, protobufs, uart
- Developed library to get temperature using i<sup>2</sup>c using C++, and python
- Implemented LKM to test Linux Kernel watchdog

### Paytronix Software Developer – Newton, MA

July 2016 – May 2017

- Modified POS User Program to meet requirements for clients using C++
- Added international address validation to internal system using Scala, Java, and Javascript
- Used Swift to add lost card exchange feature to iPad Application to be used
- Wrote and maintained automated tests using Python and Selenium

## Activities

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Captain, President and Player NEU Varsity Frisbee Team

Spring 2015 – Present