# Trevor Armand

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Available June - Dec. 2020

## EDUCATION

**Northeastern University**                                                              Boston, MA
*Khoury College of Computer Sciences*                                          Sept. 2017 - May 2022

Candidate for **Bachelor of Science in Computer Science and Economics**

Courses: Algorithms & Data Structures, Object Oriented Design, Database Design,
Econometrics, Logic and Computation, Statistics, Macro & Micro Economic Theory

## TECHNICAL SKILLS

**Languages**: Java, Python, Go, Racket, Lisp, R, HTML, CSS
**Tools**: Apache Storm, Kafka, Spring MVC, Aerospike, MsSQL, Jenkins, Kibana, Kubernetes, InfluxDB

## PROJECTS

**NextFM**                                                                                Present
- Created tool for analyzing Spotify listening data gathered from LastFM with Python

**Boston Object Map**                                                                   April 2019
- Generated a map of Boston using public datasets containing coordinate positions of objects such as parking meters, street lights, trees, fire hydrants, parks, and more

**Ham and Spam**                                                                         Jan. 2019
- Implemented naive bayes classifier in Python to detect spam emails

**Two Cars**                                                                             Dec. 2018
- Developed 2D scrolling game based on KetchApp Studio's iOS app with Java MVC

## WORK EXPERIENCE

**Wayfair**                                                                              Boston, MA
*Software Engineer Co-Op, Ad Technology*                                        July 2019 - Dec. 2019
- Built an API proxy service from the ground up
  - Platform reduced technical debt, abstracted boilerplate code, and allowed for enhanced permissions control across numerous ad vendor APIs
  - Created a REST API on top of Google Adwords Java SDK allowing much faster creation of analytics scripts
- Assisted with cyber 5 scale preparation on a platform responsible for updating over 100 million product listing ads in real time
  - Investigated and implemented filters resulting in an 86% reduction in messages from our noisiest channel
  - Identified and resolved silent failures in pipeline causing message droppage issues
  - Built monitoring tools, resolved performance issues, optimized SQL interactions

**Freedom Boat Club**                                                                    Beverly, MA
*Dockmaster*                                                                    June 2016 - July 2019
- Managed a fleet of 14 vessels, including maintenance, presentation, and availability
- Trained new employees both in group and individual settings
- Handled communication with marina, facilitating effective use of shared space

**Personal Interests:** Skiing, Ice Hockey, Music, Biking, PC Building, Cars, Boats, Video Games
**Tech Interests:** Building at scale. Data processing, backend & API development. Go is super cool.