

# Trevor Armand

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Available June - Dec. 2020

## EDUCATION

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<b>Northeastern University</b>	Boston, MA
<i>Khoury College of Computer Sciences</i>	Sept. 2017 - May 2022
Candidate for <b>Bachelor of Science in Computer Science and Economics</b>	
Courses: Algorithms & Data Structures, Object Oriented Design, Database Design, Econometrics, Logic and Computation, Statistics, Macro & Micro Economic Theory	

## TECHNICAL SKILLS

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

## PROJECTS

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<b>Bulletproof Coffee</b>	In Development
<ul style="list-style-type: none"><li>Building a platform on Flask &amp; PyTorch for predicting unbalanced batter/pitcher matchups in MLB games based on pitch physics</li></ul>	
<b>NextFM</b>	Ongoing
<ul style="list-style-type: none"><li>Created tool for analyzing Spotify listening data gathered from LastFM with Python</li></ul>	
<b>Boston Object Map</b>	April 2019
<ul style="list-style-type: none"><li>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</li></ul>	
<b>Two Cars</b>	Dec. 2018
<ul style="list-style-type: none"><li>Developed 2D scrolling game based on KetchApp Studio's iOS app with Java MVC</li></ul>	

## WORK EXPERIENCE

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<b>Wayfair</b>	Boston, MA
<i>Software Engineer Co-Op, Ad Technology</i>	July 2019 - Dec. 2019
<ul style="list-style-type: none"><li>Built an API proxy service from the ground up<ul style="list-style-type: none"><li>Platform reduced technical debt, abstracted boilerplate code, and allowed for enhanced permissions control across numerous ad vendor APIs</li><li>Created a REST API on top of Google Adwords Java SDK allowing much faster creation of analytics scripts</li></ul></li><li>Assisted with cyber 5 scale preparation on a platform responsible for updating over 100 million product listing ads in real time<ul style="list-style-type: none"><li>Investigated and implemented filters resulting in an 86% reduction in messages from our noisiest channel</li><li>Identified and resolved silent failures in pipeline causing message droppage issues</li><li>Built monitoring tools, resolved performance issues, optimized SQL interactions</li></ul></li></ul>	
<b>Freedom Boat Club</b>	Beverly, MA
<i>Dockmaster</i>	June 2016 - July 2019
<ul style="list-style-type: none"><li>Managed a fleet of 14 vessels, including maintenance, presentation, and availability</li><li>Trained new employees both in group and individual settings</li></ul>	

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**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.