

# Yefim Shneyderman

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## Education

### University of Massachusetts Amherst

College of Information and Computer Science

GPA 3.88/4.0

Dean's List, Cum Laude

- B.S. Computer Science, Mathematical Computing
- Relevant coursework: Data Structures, Algorithms, Artificial Intelligence, Web Development, Machine Learning, Operating Systems, Combinatorics/Graph Theory, Computer Security, Computing, NLP
- Extracurricular activities: UMass Association for Computing Machinery, UMass Cybersecurity Club, UMass Design Club

## Work Experience

### Nasdaq

Boston, MA

Full Stack Software Engineering Intern

Jun. 2020-Aug. 2020

- Created Secure Multiparty Compute / Homomorphic Encryption proof of concept project with Nasdaq Boston Innovation Lab
- Learned to use and work with React.js, PostgreSQL, Java Spring Boot, Kubernetes, Docker, Flask
- Presented the project to Nasdaq Executives for evaluation on business promise and profitability for multiple use cases

### Indigo Ag

Charlestown, MA

Laboratories & Facilities Intern / Independent Contractor

Jun. 2018-Present

- Collaborated with environmental health and safety consultants, and managers to create educational multimedia content for Indigo's online safety training site. Launched the platform to track user progress and ensure OSHA compliance
- Used technology skills to work on projects regarding office security, training employees, asset tracking, seating, etc.
- Created pages, filters, maps, graphics, and SOP's for a variety of tools used by the team including JIRA, OfficeSpace, Simpplr, SharePoint, and assisted in regular Lab & Facilities duties

### North Andover Public Schools

North Andover, MA

IT Support Analyst & Auditorium Technician

Sep. 2015-Aug. 2017

- Worked with IT managers and learned about troubleshooting, researching, solving technical challenges, repairing issues, and leading a small team to providing technical support for school equipment. Took over core duties in their absence.

## Skills

### Programming

- Languages: Java, C/C++, JavaScript, Python
- Skills: Data Structures, Unit Testing, Machine Learning, Data Visualization, Computational Complexity, Image Processing, Networking, Algorithms, Artificial Intelligence, GUIs, Threads/Processes, Linux, Web Development, Object Oriented Design, Operating Systems
- Technologies: HTML, CSS, jQuery, Node.js, Matplotlib, scikit-learn, NumPy, MongoDB, Mongoose, Mustache, Express, PostgreSQL, React.js, Java Spring Boot, Flask, Docker, Kubernetes, Confluence, JIRA, git

### Videography & Design

- Advanced: Adobe Premiere Pro, Final Cut Pro X, Adobe Illustrator, Adobe Photoshop, Microsoft Office Suite
- Intermediate: Adobe After Effects, Adobe Lightroom, Adobe XD, Adobe InDesign, Adobe Audition

## Projects

### TuneRater

Nov. 2019

- Worked with a team of three classmates to develop and demo a full stack web application using scrum-like workflow
- Created a music sharing and rating website using Node.js, Mongoose, MongoDB, JavaScript, HTML, CSS, Mustache

### 30DaysCoding

Apr. 2020

- Worked with partner to create a website to teach coding practices and tech interview help to several hundred daily users

### NLP of Twitter Stocks

Dec. 2020

- Final project for NLP class to perform sentiment analysis of financial tweets to predict change of direction and amount in stock price. Wrote summary paper of the project, read past research into similar areas, and presented conclusions to the class.

## Volunteer Experience

### North Andover Community Access and Media

Oct. 2013-Present

- Led and assisted in community film events and projects at the tv station. Elected Youth Representative.
- Received training and experience working with professional video-editing and broadcast related software and equipment