

# Yefim Shneyderman

yshneyderman@umass.edu | (978)-387-0848 | Website: yshneyderman.github.io | GitHub: yshneyderman | LinkedIn: yshneyderman

---

## Education

### University of Massachusetts Amherst

College of Information and Computer Science

Exp. Graduation: May 2021

Dean's List: GPA 3.870/4.0

- B.S. Computer Science, Mathematical Computing
- Completed coursework: Data Structures, Calculus, Intro to Computation, Linear Algebra, Computer Systems Principles, Statistics, Algorithms, Artificial Intelligence, Web Development, Abstract Algebra I, Machine Learning, Operating Systems
- Coursework in progress: Combinatorics/Graph Theory, Computer Security, Scientific 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, 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

### RPGChess

Jan. 2018-Present

- Working independently to continuously update a long-term project of a chess-inspired turn-based combat game and GUI in Java. For-fun project to develop a player vs. player game with different pieces with various abilities and move sets

---

## 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