Yefim Shneyderman

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Education

University of Massachusetts Amherst   GPA 3.83
College of Information and Computer Science   Expected Graduation: Fall 2023
- M.S. Computer Science
- Awards: Bay State Scholars Scholarship
- Relevant coursework: Visual Computing, Algorithms for Data Science, Cyber Effects, Internet Law and Policy, Neural Networks

University of Massachusetts Amherst   GPA 3.88
College of Information and Computer Science, College of Natural Sciences   Dean's List, Cum Laude
- B.S. Computer Science, Mathematical Computing
- Relevant coursework: Algorithms, Artificial Intelligence, Web Development, Machine Learning, Operating Systems, Combinatorics/Graph Theory, Networks and Security, Computing, Natural Language Processing
- Extracurricular activities: UMass Association for Computing Machinery, UMass Cybersecurity Club, UMass Design Club

Work Experience

Nasdaq   *Boston, MA*
Software Developer   Jul. 2021-Present
- Created data ingestion pipeline for Nasdaq performance data into GCP and analyzed and reported trends
- Updated and maintained message decoders and developed scripts to automate the process for future markets and updates
- Mentored intern projects in Digital Assets and Record Linkage

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-Jun. 2021
- 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

Skills

Computer Science
- Languages: Java, C/C++, JavaScript, Python, MATLAB, Assembly
- Skills: Machine Learning, Data Visualization, Computational Complexity, Networking, Algorithms, Artificial Intelligence, Web Development, Object Oriented Design, Operating Systems
- Technologies: HTML, CSS, jQuery, Node.js, Matplotlib, scikit-learn, NumPy, PyTorch, MongoDB, Mongoose, Mustache, Express, PostgreSQL, SQL, React.js, Java Spring Boot, Flask, Docker, Kubernetes, Confluence, JIRA, git, Google Cloud

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

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.

30DaysCoding   Apr. 2020
- Worked with a fellow UMass CS graduate to create a website to teach coding practices and tech interview help to several hundred daily users