Ron Pestov

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Education:

B.S. in Computer Science & Minor in Mathematics Anticipated May 2021

- University of Massachusetts Lowell – Lowell, MA GPA: 3.9 / 4.0
- Coursework: Artificial Intelligence, Linear Algebra, Operating Systems, Data Mining, Discrete Math, Computer Architecture, Data Structures, Logic Design, Calculus
- Awards: UML Dean's List, Shulman Fund for Excellence, First Year College Writing Award

Skills:

- Skilled in C, proficient with C++, Python, SQL, experienced with X86 assembly
- Comfortable with Ubuntu, GNU Emacs, pgAdmin (PostgreSQL) and Windows 10 Administration
- Skilled in Visual Studio, LogicWorks, familiar with SQL Server Management Studio and Citrix Remote Access
- Fluent in Russian, Hebrew and basic Spanish

Experience:

Fidelity Investments **Boston, MA**

Systems Engineering Intern June – Aug 2020

- Assisted in a seamless company-wide upgrade to Windows 10 of over 1000 desktops
- Led virtual deployment meetings with exceptional customer service and communication skills to several business units
- Completed build process and validated data for desktops as a Desktop Administrator

UMass Lowell Computer Science Dept. **Lowell, MA**

Grader for Computing II Feb – June 2020

- Utilized strong debugging skills to analyze multiple students' code and provide valuable feedback when grading a Data Structures course in the C language

Lantheus Medical Imaging **Billerica, MA**

IT Mfg. & QC Systems Intern June – Dec 2019

- Automated the vial measurement process at LMI by configuring the MeasurLink software, lowering process runtime from 3 days to under a day
- Led requirement gathering meetings with the Business and gave demonstrative presentations about the product in progress
- Composed numerous well-written supporting documents to simplify processes and allow for deeper understanding of software usage

Projects:

Stock Prediction (Python) April 2020

- Developed an AI model to predict future stock prices of the DOW Jones Index using historical market and news data with 84% accuracy
- Implemented using Gene Expression Programming and evaluated with various statistical metrics

Shallow Neural Network for Mushrooms (Python) Dec 2019

- Implemented a neural network model to predict whether a particular mushroom is edible or poisonous using backpropagation
- Used the logistic activation function and derivative of error function

Linear Feedback Shift Register (C++) Feb 2019

- Built an LFSR class that shifted RGB pixels to encode and decode png images using the SFML GUI library
- Implemented unit tests using the Boost test framework