Leonid Belyi

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*Available: **July - December 2019***

EDUCATION:

Northeastern University (NU), Boston MA
Khory College of Computer and Information Science *August 2018 - Present*
Candidate for a Bachelor of Science in Computer Science GPA: 3.77/4.0

Worcester Polytechnic Institute (WPI), Worcester MA *August 2017 - May 2018*
Candidate for Bachelor of Science in Computer Science GPA: 4.0/4.0

Related Coursework: Systems Programming Concepts (WPI), Intro to Assembly Language (WPI), Software Engineering (WPI), Networks and Distributed Systems, Object-Oriented Design

SKILLS:

Programming Languages: Java, JavaScript, Python, C/C++, Markdown, Swift, Racket, Bash
Frameworks/Libraries: ReactJS, NodeJS, Redux, Semantic UI, OpenCV, ROS
Applications: Git, XCode, Vim, JetBrains IDEs, GitHub, GitLab, npm, Yarn, Maven, Slack, Trello
Systems/Services: AWS (Lambda/DynamoDB/Cognito/S3), GraphQL, Ably, Braintree, REST API

PROJECTS:

Vastus Fitness App, Personal Venture, NU *February 2018 - Present*
Co-Founder of Vastus Technologies and Full Stack Developer for Vastus Web Apps - www.vastus.fit ~ www.vastus.pro
- Managed a team of 3 developers and a freelancer to develop a ReactJS PWA using a scrum-style Agile methodology
- Began a venture for a challenge-based fitness app, gathering software requirements from and partnering with trainers
- Designed and developed a ReactJS PWA and a backend with AWS, leveraging DynamoDB, a NoSQL database
- Implemented frontend logic and UI components using Redux, Semantic UI, and various React libraries from NPM

Words With Friends Solver, Personal Project - *on my GitHub* *March - May 2018*
- Wrote a "Words With Friends" (similar to Scrabble) cheater script to beat my girlfriend at the mobile game
- Created a Python 3 script that inputs the current board and available pieces, and outputs the best-valued moves
- Used permutations for iteration and utilized Dynamic Programming concepts in order to increase the efficiency

CS3733 Software Engineering, WPI *March - May 2018*
Assistant Lead Software Engineer (awarded "Best Overall Application" and "Best Feature")
- Competed in a ten-person student team using the scrum-style Agile methodology and Java software design patterns
- Created an indoor pathfinding app, map builder, and service request module for Brigham & Women's main campus
- Gathered requirements from surveys, interviews, user stories, storyboards, and developed the framework with UML
- Led database and server teams, designed class hierarchy, and implemented Java sockets to enable real time updates

EXPERIENCE:

Beaver Works Summer Internship, MIT Lincoln Laboratories, Lexington, MA *May - August 2018*
Beaver Works Summer Institute Teaching Assistant
- Taught students across the U.S. about developing software for autonomous vehicles with ROS, Python, and OpenCV
- Worked with R.A.C.E. C.A.R, MIT's own mini autonomous car using a ZED Camera, a GPU, a LIDAR, and a IMU
- Wrote exercises, example code, and tutorials for students and guided students through the lesson plans
- Wrote a program to detect AR tags from a camera and draw its outline on a display, utilizing 3D rotational matrices

INTERESTS: **Jazz Performance, Martial Arts, Soccer, Ping Pong, Escape Rooms, Math Team, Prog Rock**