Mark Lavrentyev

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Education

Brown University, Providence, RI (Sep 2018–Anticipated May 2022)
- Concentration: Sc.B. Computer Science (GPA: 4.0/4.0)
- Relevant Coursework: Acc. Intro to Computer Science, Logic for Systems, Intro to Software Engineering

Xavier High School, Middletown, CT (Sep 2014-May 2018)
- GPA: 4.23/4.33, Class Rank: 2/159

Work Experience

Wright Scholar Intern, Wright-Patterson AFB, OH (June-August 2017)
- Developed fast image annotation program for machine learning research
- Optimized face-detection program running on Jetson TX2

Canvasser, Citizens Campaign for the Environment, Hamden, CT (July-August 2018)
- Worked on passing CT's first state water plan
- Fundraised $6,500+ and generated 250+ letters to state legislators

Independent Projects

Purchase Request Manager (github.com/MLavrentyev/TeamManager)
- Allows teams to manage purchase requests through centralized site
- Built using Django, PostgreSQL; runs on Heroku

MNIST Digit Classifier (github.com/MLavrentyev/MNIST-Neural-Net)
- Classifies handwritten digits using neural network

Other projects can be found at: github.com/MLavrentyev

Activities

Brown Formula SAE Team (September 2018-Present)
- Manufactured parts for SAE race car on manual mill and lathe

FIRST Robotics Competition Team 4557, Middletown, CT (September 2014-May 2018)
- Led development of robot code in LabVIEW for the robot
- Developed automatic targeting vision algorithm and motion profiling for drivetrain
- Qualified & participated in World Championships in Detroit (April 2018)

Moscow Institute of Physics and Technology Correspondence School (2013-2017)
- Completed five years of physics with overall grade 5/5

Awards

- National Merit Finalist
- AP Scholar with Distinction

Skills

- Human Languages: English (native), Russian (native)
- Programming Languages: Python, JavaScript, HTML/CSS, Java, LabVIEW
- Technologies: Django, TensorFlow, jQuery, Heroku