Will LeVine

will.levine0@gmail.com | 813-751-5292

EDUCATION

RICE UNIVERSITY
BS in Computer Science
Aug. 2017 - Present
Exp. Graduation: May 2020
President's Honor Roll (All Semesters)
Trustee Distinguished Scholarship
Cum. GPA: 4.15/4.0

JOHNS HOPKINS UNIVERSITY
Transfer after freshman year
Aug. 2016 - May 2017
Dean's List (All Semesters)
Bloomberg Scholarship
Cum. GPA: 4.0/4.0

LINKS

Personal Website:
levinwil.herokuapp.com
Github: **levinwil**
Devpost: **wlevine**

COURSEWORK

GRADUATE
Statistical Machine Learning • Neuro Data Design • Deep Learning

UNDERGRADUATE
Advanced OOP • Reasoning About Algorithms • Program Design • Parallel Programming • Computer Engineering Fundamentals • Data Structures • Linear Algebra • Intro Stat • Discrete Math

TEACHING ASSISTANCE
Program Design • Into Stat

ONLINE
Stanford Machine Learning • Coursera Deep Learning Specialization

SKILLS

PROGRAMMING LANGUAGES
Over 5000 lines:
Java • Python
Over 1000 lines:
Scala • JavaScript

TECHNOLOGIES
Experienced
Git • Spark • Keras • Tensorflow • CUDA • scikit-learn

EXPERIENCE

PROGENY SYSTEMS CORPORATION | Computer Vision Intern
May 2018 - Aug. 2018 | Manassa, VA

- Implemented object detection metric infrastructure with end-to-end testing
- Improved object detection precision by .1 at all thresholds without sacrificing recall by designing novel loss function & kmeans-based anchor initialization
- Developed training platform for hot-swapping & configuring YOLO, FRCNN, SSD, RetinaNet object detection meta-architectures with end-to-end testing

JHU APPLIED PHYSICS LAB | Data Science Intern
May 2017 - Aug. 2017 | Laurel, MD

- Implemented parallel, distributed version of formerly linear network attack detection algorithm with Spark, achieving linear speedup w.r.t # of processors
- Improved spoof image classifier F1 from .95 to .99 by implementing VGG16 architecture with custom augmentation, 10-fold CV, and SVM for transfer layer

RESEARCH

NEURO DATA | Researcher in Data Science & Computer Vision
Oct. 2016 - May 2017 | Baltimore, MD

- Developed image segmentation pipeline to detect synapses in Array Tomography images that was presented at NIPS 2017

SELECTED PROJECTS

PISIGHT | Assistive Device For The Visually-Impaired
Sept. 2017 | HackRice - Rice University

- Created Raspberry-Pi-based device that performs image captioning, OCR, and detection of moving cars using AWS, Keras, OpenCV, Flask, HTML, and CSS
- Received 3rd place overall as the only underclassman in the final round, as well as the only single-person team in the final round

LEADERSHIP

JUDGING HEAD, WEBSITE HEAD | HackRice8
Jan. 2017 - Present | Houston, TX

- Led committee selecting judges, developing judging criteria, designing website
- Implemented system that automates judging order and determines placing based only on judges' pairwise project binary comparisons (better or worse)

ELECTED OFFICER | Rice Data Science Club
Jan. 2018 - Present | Houston, TX

- Organized speaking events with more than 40 attendees, as well as social events with more than 100 attendees
- Created 'Beginners' Series' to introduce computer scientists to data science tools, fundamentals, and models with an average weekly attendance of 20

AWARDS

2016	University	JHU Total Innovation Hackathon – 2nd Place Overall
2017	University	BitCamp – Award for Most Collaborative Hack