

# 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.me](http://levinwil.me)

Github: [levinwil](https://github.com/levinwil)

Devpost: [wlevine](https://devpost.com/wlevine)

## COURSEWORK

### GRADUATE

Statistical Machine Learning • Neuro  
Data Design

### UNDERGRADUATE

Advanced OOP • Algorithmic Thinking •  
Program Design • Parallel Programming •  
Statistical Models for Data Science • Data  
Structures • Linear Algebra • Statistics  
For Data Science • Discrete Math

### TEACHING ASSISTANCE

Statistics For Data Science

### 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 • Pandas

## EXPERIENCE

### PROGENY SYSTEMS CORPORATION | COMPUTER VISION INTERN

May 2018 - Aug. 2018 | Manassa, VA

- Implemented object detection metric infrastructure with end-to-end testing
- Developed training platform for hot-swapping & configuring object detection meta-architectures based on composite, deep learning networks
- Improved object detector mAP from .5 to .67 while speeding up inference from 5.6 to 8.9 FPS

### 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 Siamese network 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

### CHAIR OF JUDGING & WEBSITE COMMITTEES | 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