|  |
| --- |
| (732) 858-5046  me@dawidjk.me  LinkedIn: dawidjk  GitHub: dawidjk  [https://dawidjk.me](https://dawidjk.me/) |

**Dawid** Kluszczynski

# Education

### intended grad: DEC 2021

## Computer Science + Statistics / University of Illinois Urbana – Champaign

**Honors**: Chancellor’s Scholar, Edmund J. James Honors Scholar, Alumni Association Award

**Extracurricular Activities**: iRobotics Combotics Controls Captain, InSPIRE Outreach Director

**Notable Projects:**

Intelligent-Snakes

* https://github.com/dawidjk/Intelligent-Snakes
* Implemented Genetic Algorithm using Tiny-DNN in C++ to train 100 unique snakes

Terabyte Sort

* Sorted a terabyte of 64 bit integers using a self-built Raspberry Pi Cluster in Go
* Orchestrated cluster with Kubernetes over LAN to minimize latency and signal interference

**Technical Courses:** Algorithms & Models of Computation, Systems Programming, Numerical Methods, Database Design, Data Structures, Computer Architecture, Linear Algebra, Statistics & Probability I/II, Discrete Structures

# Experience

### June 2020 – August 2020

## Software Engineering Intern / Dataminr - NYC

* Created dashboard for managers using React, Scala, and Kafka to monitor what streams are monitored
* Reduced required manager watch time by utilizing metrics for alerting when streams are not monitored
* Automated the previously manual process of selecting streams to monitor

### August 2019 – present

## Software Engineering & Data Scientist / Caterpillar - IL

* Reimplemented Tableau using Python and Angular to improve computation and render time from 160 seconds to 0.5 seconds, while removing the need for Tableau licenses costing $600,000 annually.
* Aided in designing Bayesian model in Python as tool for engineers to predict part fatigue failure trends
* Improved Computer Vision model training process with aid of novel synthetic data approach

### May 2019 – august 2019

## Software Engineering Intern / Ayuda Care - CA

* Used Flutter and Node.JSto create a responsive multiplatform application adhering to Material Design standard
* Enhanced application user interface to target seniors by surveying about preferences and usage

### april 2017 – April 2018

## Quantitative Research Intern / Digital Mosaic Capital - NYC

* Helped coordinate and guide development of automated Peer to Peer trading platform
* https://tinyurl.com/digital-mosaic-capital
* Wrote white paper detailing Peer to Peer loan default rate prediction (https://tinyurl.com/dawid-p2p)
* Co-designed boosted random forest algorithm to predict loan default rate and score loans with 88% accuracy

## AUGUST 2016 – APRIL 2017

## Software Engineering Intern / LendingCalc - NYC

* Aided in designing web interface for trading platform with modern Material Design standards in Angular5
* Minimized server downtime by automating service startup and creating shutdown watchdog
* Improved team efficiency by implementing Agile style work environment

Skills

Java, Android, Scala, C++, Python, C, C #, React, Angular, Dart, Flutter, Node.JS, GraphQL, MySQL, PostgreSQL, MongoDB, Unsupervised Machine Learning, R, MATLAB, Octave