

Dawid Kluszczynski

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Education

INTENDED GRAD: DECEMBER 2021

Computer Science + Statistics / University of Illinois Urbana – Champaign

Cumulative GPA: 3.61

Honors: Chancellor's Scholar, James Honors Scholar, Alumni Association Award

Extracurricular Activities: iRobotics Combots 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: Data Structures, Computer Architecture, Linear Algebra, Statistics & Probability, Discrete Structures

Experience

AUGUST 2019 – PRESENT

Software Engineering & Data Science Co-Op / Caterpillar - IL

- Aided in designing Bayesian model in Python as tool for engineers to predict part fatigue failure trends
- Lowered part development costs by decreasing amount of failure points required to successfully create model
- Improved Computer Vision model training process with aid of novel synthetic data approach

MAY 2019 – AUGUST 20219

Software Engineering Intern / Ayuda Care - CA

- Used Flutter and Node.JS to 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, C++, Python, C, C #, React, Angular, Dart, Flutter, Node.JS, GraphQL, MySQL, PostgreSQL, MongoDB, Unsupervised Machine Learning, R, MATLAB, Octave