Alex Daniels Markowitz

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EDUCATION

The University of Chicago   **Chicago, IL**
Bachelor of Science in Computer Science   *June 2019*
- **Honors:** Dean's List (2015-2016, 2016-2017, 2017-2018), UAA All-Academic (2016-2017)
- **NCAA Athlete – Track & Field:** Sept 2015 – Jan 2018
- **Relevant Coursework:** Intro to Computer Systems (C), Application Development (Ruby, Rails), Data Visualization (D3.js), Networks (C), Databases (Java, SQL), Computational Linguistics (Python), Algorithms, Discrete Mathematics, Multivariable Calculus, Linear Algebra

Hunter College High School   **New York, NY**
High School Diploma   *June 2015*
- **Cumulative GPA:** 91/100 | ACT: 34/36 | Math SAT II: 800/800
- **Honors:** AP Scholar with Distinction, Excellence in Journalism Studies, 12-Season Varsity Athlete Award

WORK EXPERIENCE

Managed by Q   **New York, NY**
Software Engineer   *Aug 2019 – Mar 2020*
- Led technical design and owned end-to-end implementation of Django backend, external API integrations, and React components for new application homepage
- Owned end-to-end development of new reporting features, designing API endpoints, GraphQL schema, and interactive React components
- Contributed to re-architecting the notifications system, consolidating all notifications into a robust, type-safe Django service
- Wrote internal documentation for notifications system architecture and engineering onboarding

Workday   **Pleasanton, CA**
Software Application Engineer Intern   *June 2018 – Sept 2018*
- Designed and implemented position name enhancements to improve the way employees and managers enter and approve time on Workday's Time Tracking product
- Impacted all core functionality by developing code for 30+ tasks to handle time management
- Learned to develop software in XpressO and built all automation (unit and system tests) through related proprietary tools set

NowPow   **Chicago, IL**
Software Engineering Intern   *Jan 2018 – June 2018*
- Researched, designed and implemented plan to reconfigure entire deployment process to Blue-Green system with zero downtime
- Wrote PowerShell scripts to create slots, add hostnames with SSL bindings, deploy web apps and swap slots using Octopus Deploy and Azure Resource Manager
- Assisted in regression tests to ensure latest code deployments performed as expected.

Trading Technologies   **Chicago, IL**
Software Engineering Intern   *June 2017 – Aug 2017*
- Developed client-side code for comprehensive high-speed, web-based futures trading platform built in Javascript
- Identified and fixed client-reported bugs to improve UX in HTML5, CSS3, LESS, jQuery, Underscore.js and Backbone.js
- Devised and implemented system to generate additional business event analytics for Domo through AWS Kinesis and Redshift
- Placed 1st in internal futures trading competition among interns on TT trading platform

FEATURED TECHNICAL PROJECTS

admarko.co *(HTML/CSS, JavaScript/TypeScript, React, Netlify)*
- Personal website and portfolio. Views built and designed from scratch using React with HTML/SCSS and JavaScript/TypeScript. Hosted on Netlify with content from ButterCMS

EmojiTweets *(Python, Twitter API, Google Maps API)*
- Scrape tens of thousands of tweets examining linguistic and location data about emoji usage on the internet

SKILLS & TECHNOLOGIES

- **Programming Languages:** Python (Django), JavaScript/TypeScript, Java, C, Racket, Ruby
- **Web Technologies:** HTML/CSS (SASS, LESS), React, Ruby on Rails, Backbone.js, D3.js
- **Other:** Chrome DevTools, Git, SVN, Netlify, GitHub Pages, GoDaddy, Agile Methodology, Atlassian Suite, LaTeX, GDB