

Christian Sparks

4526 N. Hermitage Ave.
Chicago, IL 60640
312-953-4506

csparks3@illinois.edu
<https://github.com/cmsparks/>
<https://www.linkedin.com/in/cmsparks/>

Education

University of Illinois at Urbana-Champaign, B.S. Computer Science

Class of 2023

- GPA: N/A

Northside College Preparatory High School

Class of 2019

- A Chicago Public Schools selective enrollment high-school
- Weighted GPA: 4.8, Unweighted GPA: 3.8
- Extracurriculars: Policy Debate, Coding Club, First Robotics, Investment Club (won \$5,000 grant for school), Poll judging

Experience

Intern, Data Analytics & Engineering at Dunn Solutions

June 2019 – August 2019

- Prototyped an internal chatbot in Javascript and Node.js leveraging the Azure LUIS and wrote dialog datasets for training AI intent recognition models
- Designed ETL and database replication jobs with SAP Data Services to move internal time & billing databases away from MSSQL Server 2000
- Analyzed SAP BusinessObjects training workshops for clients

Co-founder, Executive Officer, Developer at Chicode

December 2017 – June 2019

- Organized events, curriculum, and clubs at Chicode (www.chicode.org, non-profit) to create an inclusive computer science community in Chicago
- Developed websites using static HTML and Elm web applications
- Managed an Elixir backend to help operate events serving hundreds of students

Intern, QA & Software Development at Spokin Inc.

June 2018 – August 2018

- Gained experience working in a fast-paced startup environment as an intern finding bugs in a crowdsourced food review application with over 10,000 users
- Performed automated backend testing using Node.js and Elasticsearch

Project

Highlights

Political Polling Analysis and Models

August 2019 – Present

- Creating tools in Python & Pandas to evaluate accuracy and relevance of polls. Polls are then used to model elections
- Scraping websites and PDFs to automatically gather polling data and crosstabs

Star Explorer Hack Chicago Project, Nvidia 3D Prize Winner

August 2018

- Developed a 3D Three.js web-based visualization of over 120,000 stars in 24 hours with a partner
- Utilized k-means clustering to categorize stars by stellar classification

Skills

Strengths

Web Development/Design, Data Visualization, Fast-paced Work Experience, Computer Science Education, Web Scraping

Technologies

Javascript & Node.js, Java, Python, C#, Pandas, SQL, SAP