

CHRISTIAN SPARKS

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EDUCATION

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

Anticipated Graduation: May 2023, GPA: N/A

Northside College Preparatory High School

Class of 2019, GPA 3.8

- Enrolled in a Chicago Public Schools selective enrollment high-school
- Extracurricular Activities: Policy Debate, Coding Club, First Robotics, Investment Club, Poll judging
- Awards: Magnetar Investing Competition 1st Place, Hack Chicago NVIDIA prize, Top 16 IHSA Debate Finals

SKILLS

Strengths – Web Development/Design, Data Visualization, Data Engineering, Fast-paced work, Computer Science Education, Web Scraping, Graphic Design, Agile

Technologies – Javascript, Node.js, Java, Python, Pandas, Git, Unix, SQL, SAP Data Services, SAP BusinessObjects

EXPERIENCES

Dunn Solutions Group – Intern, Data Analytics and Engineering

June 2019 – August 2019

- Developed a chatbot prototype with Node.js used for employee training and onboarding; Leveraged Azure LUIS and wrote dialog datasets to train its AI intent recognition models
- Designed and coded ETL and database replication jobs with SAP Data Services used for internal time & billing databases to migrate from MSSQL Server 2000
- Analyzed SAP BusinessObjects training workshops for clients

Chicode NFP – Co-Founder and Executive Officer, Developer

December 2017 – June 2019

- Incorporated Chicode as a Not For Profit and established partnerships with Chicago Public Schools to expand outreach and marketing capabilities
- Organized events, curriculum, and clubs at Chicode 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

Spokin Inc. – Intern, QA and Software Development

June 2018 – August 2018

- Debugged a crowdsourced food review application accessed by 10,000 users and acted as the sole QA tester on the technical team at Spokin (www.spokin.com)
- Supported outreach and growth of a fast-paced startup as an intern by deploying solutions to aid the content team in automating outreach
- Performed automated backend testing using Node.js and Elasticsearch

PROJECT HIGHLIGHTS

Political Polling Analysis and Models

August 2019 – Present

- Scraped polling data with Python and Pandas to find in-depth data and crosstabs which are used to model elections
- Visualized previous election results and upcoming elections using D3.js and Javascript

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