

# Chase Dixon

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Notre Dame, IN 46556 | Permanent: Batavia, IL 60510

## EDUCATION

### University of Notre Dame

Notre Dame, IN

Bachelor of Science in Engineering, Major: **Computer Science**, Minor: Engineering Corporate Practice, **GPA: 3.917** May 2024

**Relevant Courses:** Discrete Math, Logic Design, Data Structures, Systems Programming, Programming Paradigms

**Study Abroad:** Analysis of Racism in South Africa (Summer 2022)

**Awards/Honors:** Reilly Trustee Merit Scholar, Dean's List, Science and Engineering Scholar

## TECHNICAL SKILLS

**Languages:** Expert – Python, C | Proficient - C++, HTML | Novice - C# | **Software:** Solid Works, MATLAB, Visual Studio, GitHub

## PROJECTS

### Crypto Market Analysis Site (Python, HTML, CSS)

Notre Dame, IN

Spring 2023

- Utilized existing API from CoinCap to collect current data on 100 coins and 73 exchanges
- Implemented database using SQLAlchemy with tables for both coins and exchanges
- Developed fully functional interactive website with 4 endpoints using HTML, CSS, and Flask

### Blackjack Simulator (Python)

Notre Dame, IN

Spring 2022

- Created a blackjack simulator terminal game with a statistical help feature
- Implemented three modes allowing user to solely use the help feature, play simulations, or gamble

### Startup Analysis App (MATLAB)

Notre Dame, IN

Spring 2021

- Constructed a MATLAB app that analyzes data from over 35,000 startups in various industries
- Designed app with interactive graphs and charts to display relevant data analysis for entrepreneurs
- Integrated ability for users to adjust graphs based on startup's status, industry, location, and more

## PROFESSIONAL EXPERIENCE

### Duck Creek Technologies

Rosemont, IL

Software Engineering Intern

Summer 2022, '23

- Created bulk update feature for claims studio application using C# and SQL
- Collaborated with team using Agile methodology to create two API's for customers
- Strategically developed capstone project on how to get more people back in office and presented to CPO

### ASCEND Program

Notre Dame, IN

Group Leader

Summer 2021, '22, '23

- Aided incoming Notre Dame students in better understanding important Calculus topics
- Lead semiweekly meetings with 5 student small group

### Center for Career Development

Notre Dame, IN

Research Project Team Member

Winter 2020

- Collaborated with teams to identify Notre Dame alumni at various CPG companies using LinkedIn
- Researched and organized data on over 750 alumni to improve employment database

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

### Make A Play Foundation (MAP)

Ewing, New Jersey

D-League Fellow

Spring 2023

- Received 20+ hours of targeted interview preparation, professional development coaching for competitive roles
- Collaborated with a 6-person scrum team to develop a multi-year strategy for MLS ADVANCE's DEI initiative against a 5-week deadline

### MLT – Management Leadership for Tomorrow

Washington, DC

Career Prep Fellow

Spring 2022-Present

- Selected among thousands of high-achieving applicants to participate in this Career Preparation program focused on professional and leadership development

## INTERESTS & AFFILIATIONS

Clubs: National Society of Black Engineers, Black ND Capital, Wabruda (African American Men's Club), Matriculate

Sports: Notre Dame Varsity Football Team

Interests: Entrepreneurship, Reading, Exercise, and Movies