

EDUCATION

University of Notre Dame
B.S. in Computer Science
Minor in Corporate Practice
3.5 GPA, Graduating 2023

St. Louis U. High School
Graduated May 2019
First Honors, 4.0 GPA

SKILLS

Technical Skills

Python, HTML/CSS, Java,
JavaScript, Sci-kit Learn,
Pandas, Matplotlib, iOS,
MongoDB, BeautifulSoup,
Flask, AutoCAD, MATLAB

Currently Learning

Node.js, TensorFlow, Azure

ACHIEVEMENTS

Eagle Scout

7 years of Scouting
culminated in a final project
that involved leading a team
to construct three large wolf
houses for the Endangered
Wolf Sanctuary

TEDx Speaker

Proposed a solution as to
how technology can be used
to promote meaningful
human interactions

TECHNICAL EXPERIENCE

Chain Trail || *Software Engineering Intern* August 2020 - Present

- Currently interning with a blockchain research company to help detect fraudulent transactions through machine learning and cyber security

Centene Corporation || *Software Engineering Intern* May 2020 – August 2020

- Optimized the subscriber payment service by fully automating transaction monitoring using Python and SQL in a production setting
- Automated invoice system to achieve full hands-free tracking of monthly invoices which had previously been done manually

Cutco || *Sales Representative* June 2020 – Present

- Selling premium kitchen cutlery to married homeowners to improve my communication skills and understand entrepreneurial processes

SmartFund Research Project || *AI Research Student* January 2020 – May 2020

- Developed a machine learning project that analyzes research proposals and predicts the probability of research project success to determine funding
- Improved our model from 7% to 40% by implementing neural networks, Topic Modeling, and TF-IDF approaches

SiteRx || *Data Science/Software Intern* June 2019– August 2019

- Worked remotely for a data science healthcare startup under the guidance of a Columbia University graduate student
- Developed code to classify and recruit qualified patients with diseases based on eligibility criteria that matched their patient files using regex, Python, and ML models in Sklearn

EMPLOYMENT

Modern Market || *Chef/Cashier* September 2019 – December 2019

- Rotated between all stations of the restaurant and became able to multitask as well as communicate effectively to facilitate a productive, work environment

Culver's || *Chef/Cashier* January 2019 – September 2019

- Trained in all roles of the restaurant to become versatile and independent in a fast-paced setting

Simplicity Math || *Teacher* December 2017 — January 2019

- Taught various critical thinking math concepts to students and facilitated a passion for learning within the students

SIDE PROJECTS

Scuttlebutt – (BS4) Web scrapes multiple sites to find all transfer rumors about any soccer team/player that is searched

SummarizeThis – (Python/Flask) Summarizes articles for college students to 20% of the content to enhance productivity

Innovation Network – (Node.js) Connects students in need with skilled trainers or tutors within the school community

EconoMeme – (Azure) Web scrapes memes and uses Twitter API/Computer Vision API to create a meme stock market

ND Marketplace – (XCode) Working with Google developer to develop a marketplace iOS app for Notre Dame students

STUDENT INTERNATIONAL BUSINESS

Microsoft Travel Team

- Pitched competitive market strategy to Microsoft software engineers to build interest in Azure amongst college students
- Developed technical demos on Microsoft Azure and a UI to demonstrate functionality and our learned knowledge of using Azure

KPMG Travel Team

- Presented strategies to KPMG software engineers that AI could serve McDonald's in its efforts to be more conscious of animal abuse issues and improve treatment