

Education

THE UNIVERSITY OF CHICAGO, Chicago, IL
Bachelor's Degree, Computer Science, June 2021

Relevant Coursework: Introduction to Database Systems, Theory of Algorithms, Linear Algebra, Data Visualization, Data Science, Introduction to Computer Security, Usable Security and Privacy, Cryptography, Machine Learning

Awards: Odyssey Scholar, Dean's List (2017-2019)

Work Experience and Volunteer Activities

Capital One, Mclean, Virginia

Software Engineer Associate

August 2021 - Present

I am enrolled in a two one year rotation technology development program. Currently in my second rotation working on a Full Stack Machine Learning team where we are creating a new product revolving around customer service agent scheduling and incentives. Notable contributions include:

- Creation of UI components using Vue framework with backend integration for data population of UI components
- Cypress, Unit (Jest, etc.) and QA testing of UI components and backend API
- Managing/Updating API endpoints managed by AWS

My first year I worked on a DevOps Machine Learning team that manages several data and security remediation pipelines running in AWS using many different AWS resources (Lambda, Athena, DynamoDB, SQS, etc.) as well as 3rd party resources such as Snowflake and Elasticsearch/Kibana. Notable contributions include:

- Created automated pipeline to push data from Snowflake regarding security vulnerabilities to Elasticsearch and created Kibana dashboards for upper management reports on state of overall vulnerabilities within our space of card technology
- Created templates within Capital One's internal, managed pipeline infrastructure for users to use to have automatic remediation of vulnerabilities in their Docker container infrastructure pipelines

Software Engineer Intern

June 2020 – August 2020

- Used Chaos Engineering concepts to create and run experiments such as testing the resiliency of Spark jobs and CPU/memory-based disruption on AWS
- Wrote Python scripts to automate and increase efficiency of running experiments as well as integrated them into company production pipeline

FLEETCOR Technologies, Peachtree Corners, Georgia

June 2019 – January 2020

Digital Marketing and Human Resources Intern

- FLEETCOR website maintenance and redesigning in HTML/JavaScript
- Project Managed creation of a merchant web application
- Project Managed brand consolidation on multiple FLEETCOR websites
- Managed accounting for the Ecommerce team
- Revamped entire on-boarding platform for new hires
- Contributed to the creation of a 12 week on-boarding guide for new hires
- Created PowerPoint used for new hires' on-boarding

IfThen Digital, Sandy Springs, Georgia

June 2018 – September 2018

Business Analyst Intern

- Aided in the revamping of the University of Chicago websites (college.uchicago.edu, etc.)
- Created expected revenue forecast models in Excel to inform new product implementation
- SEO Consulting for clients
- Visualized data using Python
- Used SEOs to gather data and create cross-product analyses
- Created authoring guide for Drupal 8
- Created website redesign proposals and tested developer websites for clients

Leadership & Activities

Uncommon Hacks Chicago, Illinois

April 2019 – June 2021

Sponsorship/Hacker Experience Team Member

- Conducted first ever completely online hackathon using gather.town as a host
- Gather sponsors such as Goldman Sachs, Microsoft, imc, repl.it, among others
- Coordinated speakers/workshops and food vendors for Uncommon Makes
- Organized event planning for Uncommon Makes Workshop Series and Uncommon Hacks Hackathon

The Mark, Chicago, Illinois

September 2019 – June 2021

Strategist

- Created market competition analyses for small business owners in order to develop solutions to create more business. Some work included: creating a YouTube campaign, redesigned websites, social media engagement schedules + content, etc.

Skills

Languages: Spanish (fluent in speaking, reading, & writing), Japanese (intermediate speaking, reading, & writing)

Computer: Proficient in Microsoft Excel, Power Point, Publisher, and Adobe Captivate and Photoshop

Programming: Proficient in Elm, R, HTML, Python, and C, Some proficiency in Java, JavaScript