

# Ronak Thakur

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## Education

### University of Maryland - College Park, MD

Expected May 2023

Bachelor of Science, Computer Science (Data Science)

- GPA: 3.75/4.0
- Honors: 4/4 Semesters of Dean's List Honors
- Honors Programs: Entrepreneurship and Innovation Honors College, QUEST Honors Program
- Relevant Coursework: Object Oriented Programming, Data Structures, Introduction to Computer Systems, Discrete Structures, Algorithms, Organization of Programming Languages, Linear Algebra, Introduction to Design & Quality

## Programming Experience

### Organization of Programming Languages

Jan. - May 2021

OCaml Language Design Project

College Park, MD

- Built a functional lexer, parser, and interpreter for a custom dynamic programming language

### Introduction to Computer Systems

Aug. - Dec. 2020

Unix Process-Control Project

College Park, MD

- Used process control functions (such as fork and execl) to build a make Utility in C
- Parsed custom files using standard I/O library functions

### HackRice X Hackathon

Sep. 2020

Interactive Website and Timeline

Houston, Texas

- Built a single-page website with an interactive timeline using HTML, CSS, and Javascript as a team of 3
- Designed the wireframe for the website using Figma and Adobe Photoshop for additional UX assets
- Analyzed a Github repository of documented police brutality events with a custom script written in JavaScript

### Object-Oriented Programming

Jan. - May 2020

Graph Data Structure Project

College Park, MD

- Converted standard mazes into graph data structures using Java in Eclipse
- Implemented various graph search algorithms to return the path containing the exit

## Work Experience

### University of Maryland - Department of Resident Life

Aug. - Present

Resident Assistant (RA)

College Park, MD

- Lead multiple meetings and events for 66 residents to develop a safe and inclusive community
- Collaborate with a staff of 15 other RAs to ensure all building policies are enforced and residents remain safe

### QUEST - Bethesda Green

Feb. - May 2021

Data Science Analyst

Bethesda, MD

- Analyzed the engagement metrics across all of BG's social media posts in 2020 using python and pandas
- Delivered recommendations to increase their online reach by 10% based on trends seen in their successful posts

### QUEST - UMD Office of Undergraduate Studies

Nov. - Dec. 2020

Business Process Consultant

College Park, MD

- Delivered a series of proposals to increase visibility of UMD's tutoring services by 15%
- Gained project management and leadership experience by leading a team of 4 throughout the semester

### MetaSense Marketing

Jul. 2018 - Aug. 2021

Digital Marketing Intern

West Berlin, NJ

- Designed and launched automated e-mail campaigns using InfusionSoft with average open rates of 30-35%
- Automated 70% of manual data retrieval tasks using click automation software
- Conducted a detailed competitor analysis of 10 other digital marketing company's SEO strategies
- Developed an action plan for MetaSense Marketing to increase traffic to the website by 20%

## Skills

**Programming Languages:** Java, JavaScript, Python, SQL, OCaml, Ruby, Rust, C

**Web Development & Design:** HTML, CSS, Adobe Photoshop, Figma

**Data Science:** Pandas, NumPy, Matplotlib, Scikit-learn, Statsmodel, MatLab

**Operating System & Tools:** Linux, GitHub, Eclipse, Jupyter Notebook, InfusionSoft