Carson DeSotel

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Education:

University of Minnesota - Twin Cities 2018 - 2022

BA, *Computer Science* 2022
Pursuing courses related to algorithms, data structures, and data processing.
Relevant Courses: Advanced Programming Principles, Algorithms & Data Structures, Discrete Structures, Elementary Computational Linear Algebra, Machine Architecture and Organization, Operating Systems

BS, *Geography* 2022
Pursuing courses related to geographic information systems, urban development and urban life.
Relevant Courses: Cities, Citizens, and Communities, Changing Form of the City Principles of Cartography, Principles of Geocomputing, Principles of GIS
Capstone: Image Segmentation for Tree Ring Slices in Python

Honors:
Dean's List Fall 2020, Spring 2021

Experience:

University of Minnesota - Twin Cities Minneapolis, Minnesota
Teaching Assistant January 2019 - present

– **Courses Taught:** Intro. to C/C++ for Scientists and Engineers (2 semesters), Intro. to Algorithms and Data Structures (3 semesters)

– Lab leader across multiple courses, fulfilled extended administrative duties involving the course page

Optum Remote
Technology Development Program Intern June 2020 - August 2020

– Extended an open source governance platform while working as a full stack developer on an agile team.

– Developed a front end statistics reporting dashboard to be used across Optum by open source developers.

– Selected to deliver a presentation and tech demonstration to executive at Optum and Optum - Ireland alongside the entire Summer 2020 intern team across UnitedHealth Group and Optum.

– Delivered four bi-weekly presentations to Optum executives on development progress while accepting and implementing feedback.

Technical Skills:

Software: Angular, CSS (and SASS), Git, GitHub, HTML, LaTeX, Jenkins, Linux (Ubuntu, Arch), Markdown, NodeJS, PostgreSQL, Vim

Programming Languages: C, C++, Java, OCaml, Python, R, Rust, shell script (Bash), SQL, TypeScript

Languages: English (native), French (working proficiency)

Other: agile development, Kanban workflow, public speaking