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,
                Machine Architecture and Organization, Operating Systems

    BS, *Geography*   2022

        Pursuing courses related to geographic information systems, urban development and urban life.
        Relevant Courses: 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:

Optum   Remote
Enterprise Clinical Technology Development Intern   June 2021 - August 2021

– Independently developed a Java application to test a model made using the Soar cognitive architecture to ensure its safety, efficiency, and reliability in a clinical setting.

– Detected and helped solve bugs in the cognitive architecture that could have misdiagnosed patients.

– Delivered bi-weekly presentations to business leaders. Presented demonstrations of the product at each meeting.

– Used software like Docker, Git, and Maven to build, maintain, and deploy the software.

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, Maven, NodeJS, PostgreSQL, slf4j (and logback), Soar Cognitive Architecture, 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