

Carson DeSotel

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Education:

University of Minnesota - Twin Cities	2018 - 2022
BA, <i>Computer Science</i>	2022
Courses focused on artificial intelligence, software design, and databases.	
Capstone: Drone Image Recognition Simulation in C++	
BS, <i>Geography</i>	2022
Courses focused on geographic information systems, urban geography, and geostatistics.	
Capstone: Image Segmentation for Tree Ring Slices in Python	
Honors:	
Dean's List	Fall 2020, Spring 2021, Fall 2021, Spring 2022

Experience:

Optum	Remote
<i>Technology Development Program Associate</i>	May 2022 - Present
<ul style="list-style-type: none">- Deployed Kafka Connect microservices to stream over 2 million patient records across internal data platforms.- Worked on a fast-paced tiger team to create a critical data pipeline for patient and physician data.- Deployed software to Azure using Docker, Jenkins, and Kubernetes.	
University of Minnesota - Twin Cities	Minneapolis, Minnesota
<i>Teaching Assistant</i>	January 2019 - May 2022
<ul style="list-style-type: none">- Taught entry-level C++ programming and algorithms and data structures in Python and Java.- Taught in lab settings for 7 semesters, both in-person and virtual.	
Optum	Remote
<i>Technology Development Program Intern</i>	June 2021 - August 2021
<ul style="list-style-type: none">- 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.- Deployed software using Docker, GitHub, and Maven.	
Optum	Remote
<i>Technology Development Program Intern</i>	June 2020 - August 2020
<ul style="list-style-type: none">- Extended an open source governance platform while working as a full stack developer on an agile team.- 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.	

Technical Skills:

Software: ArcGIS, Angular, Azure, CSS, Docker, Git, GNU/Linux (Ubuntu, Arch), HTML, Jenkins, Kafka, Kubernetes, \LaTeX , Maven, Pandas

Programming Languages: C, C++, Java, JavaScript, Python, shell script, TypeScript

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

Other: agile development, cartography, database design, microservices, public speaking, web mapping