

# Carson DeSotel

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## Education:

### University of Minnesota - Twin Cities

2018 - 2022

BA, *Computer Science*

2022

Courses focused on artificial intelligence, software design, and databases.

**Capstone:** Drone Image Recognition Simulation in C++

BS, *Geography*

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

*Technology Development Program Associate*

May 2022 - Present

- 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

*Teaching Assistant*

January 2019 - May 2022

- 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

*Technology Development Program 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.
- Deployed software using Docker, GitHub, and Maven.

### 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.
- 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

Last Updated: 2022-08-02