

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, Machine Architecture and Organization

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 GIS

Experience:

University of Minnesota - Twin Cities

Minneapolis, Minnesota

Teaching Assistant

January 2019 - present

- Taught *Intro. to C / C++ for Scientists and Engineers* and *Intro. to Algorithms and Data Structures*.
- Was a lab leader across multiple semesters. Involved administrative check-ins and further coordination between TA's and the Professor.

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~~ \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

Open Source Projects:

Personal Website

January 2019 - present

Statistics Dashboard for Optum

June 2020 - August 2020

Personal Arch Linux System (Dotfiles)

August 2020 - present

C++ Program to Display Pixel Art in Terminal

September 2020