

# D ETHAN COSTA

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Recent Computer Science graduate with experience in multiple backend programming languages.

## SKILLS

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**Programming Languages:** Go, Python, SQL, Java, Typescript

**Technologies:** Docker, Git/Github, Make, TCP, Websockets

**Tools:** Vim, Linux, Postman, Postgresql, MongoDB, Redis

## EDUCATION

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### YORK UNIVERSITY

Bachelor of Science, Honours

Major in Computer Science

Relevant Coursework: Distributed Systems; Network Protocols and Applications; Algorithms; Software Engineering Testing

Toronto, ON

May 2023

## WORK EXPERIENCE

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### YORK UNIVERSITY (AUSM LAB)

Data Science Intern

- Helped implement a semi-supervised learning network for lidar object detection
- Wrote scripts in Bash, Python, and MATLAB to process image and lidar data

Toronto, ON

Apr 2021 – Sep 2021

### HALLER MECHANICAL CONTRACTORS, INC.

Junior Estimator

- Estimated material and labour costs for mechanical construction jobs and provided clients with quoted prices
- Procured supplies and material for jobs in progress

Windsor, ON

Oct 2019 – Mar 2020

## OPEN SOURCE

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### 1Password/shell-plugins ([github.com/1Password/shell-plugins](https://github.com/1Password/shell-plugins))

- Implemented a file importer for the Cachix plugin, providing secure authentication for the Cachix CLI tool without storing plaintext secrets on disk.

## PROJECTS

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### FASHION-POLICE

- Designed and implemented a static code analyzer for PEP8 compliance according to given requirements. Written in Python.

### JSON DATABASE

- Implemented a concurrent database and associated client that stores JSON objects of arbitrary depth. Written in Java.

### REALTIME CHAT

- Created a server and client CLI implementing a TCP-based chat application. Written in Go, using Redis for storage.

## LANGUAGES

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**ENGLISH:** Native

**PORTUGUESE:** Basic