

# Jasper Mai

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## SKILLS

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**Tech Stack :** Java, Python, C++, C, JavaScript, TypeScript, React.js, Node.js, K8s, YAML, HTML/CSS, MIPS Assembly

**Tools :** Jira, GitHub, Zenhub, Figma, Notion, Docker, Terraform, Kustomize, Postman, NPM, Adobe Premiere Pro

## EXPERIENCE

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### Google

May. 2022 – Present

#### *Developer Relations Intern - Google Cloud Platform Team*

Kitchener, ON

- Designed and implemented product requirements for a “one-click” automated deployment system of **Online Boutique**—a Google Kubernetes Engine (GKE) sample application with over 12.7k Github stars
- Made valuable contributions to the open source community, enabling a wider audience of platform admins, external company developers, and non-technical decision makers to easily assess GCP sample apps
- Authored a guide including design considerations and implementation details, further helping the team scope out next steps to replicate and maintain similar automated deployment systems for remaining sample apps
- **Tech Stack:** GCP, K8s, Terraform, Kustomize, YAML, Docker, Github

### HomeX

Sep. 2021 – Dec. 2021

#### *Software Engineering Intern - Consumer Applications Team*

Toronto, ON

- Worked on design features and resolved bugs on the internal Content Management System (CMS)
  - **Action Bar:** Implemented button-disabling based on required fields and hiding actions based on user-detected roles via Keycloak
  - **Notifications:** Implemented toast notifications for all actions on the CMS site, as well as alert notifications when user changes tab
- Presented frequent feature demos and a year-end capstone recap to the entire company
- **Tech Stack:** JavaScript/TypeScript/React.js/Node.js/JSON Forms/Github

### Dell Technologies

May. 2021 – Aug. 2021

#### *Software Developer Intern - 5G R&D Team*

Ottawa, ON

- Took initiative as the lead for Distributed Unit (DU) Component Tester systems within the Dell 5G DU Team, answering questions and troubleshooting issues brought up by employees
- **Tech Stack:** C++/Python/Bash/Jira/Github/Confluence

## EDUCATION

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### University of Toronto

Sep. 2019 – Current

#### *Honors Bachelor of Science*

Toronto, ON

- **Coursework:** Data Structures, Algorithms, OOP, Web Development, Computer Systems, Version Control
- **Cumulative GPA:** 3.90 / 4.00 [Dean's List Scholar]

## PROJECTS

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### Tall Tales - <https://github.com/jaspermai/TallTales>

- A multiplayer storytelling game using JavaScript, React.js, MongoDB, and Node.js to create an immersive, concurrent gameplay experience.

### Sketchy - <https://devpost.com/software/sketchy-0azxn6>

- A freehand sketchpad Chrome Extension using Javascript, HTML, and CSS that allows users to draw, erase, and export their canvas with several stylistic modes.