Hudson Pryde Stuart

B.Sc. in Computer Science, 2025

Dedicated and self-motivated software developer seeking new opportunities.

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EDUCATION

B.Sc. Computer Science
Toronto Metropolitan University

2019 - 2025

RELEVANT COURSES

- Operating Systems
- Computer Networking
- Machine Learning
- Compilers
- Data Structures & Algorithms
- Natural Language Processing
- Computer Security
- Computer Graphics

EXPERIENCE

Full-stack Developer
Aisha Living

09/2023 - 04/2024

A startup designed connect tenants and homeowners

- Designed and integrated significant features. e.g. meeting creation and scheduling and user-made groups.
- Managed AWS server, ensuring proper routing with load-balancers and maintaining 100% up-time.
- Implemented automatic thumbnail generation for user images, reducing load times from 10+ seconds to ~40ms.
- Led task delegation and mentoring of junior developers.

Full-stack Developer
GetQuorum

09/2021 - 04/2022

A leading provider of electronic voting

- Resolved critical UI errors, excessive logging, and poor performance.
- Refactored the campaign naming system to guarantee uniqueness.
- Implemented a custom online meeting waiting room, increasing the usability of the meeting portal.

SELECTED PROJECTS

Research Assistant
- Developed an AI powered rich text-editor using the Cohere LLM.
- Actively highlights weak arguments and unsupported claims.
- Finds peer-reviewed articles and suggests support using RAG.
- Tech used: Typescript, React, NextJS, Cohere, Redux, Python, Celery

Study Scribe
- Built a note taking app for students with reading disabilities.
- Uses OCR and AI to scan text and generate notes and flashcards.
- Enabled 100+ users to scan textbooks and generate flashcards, reducing study time by up to 40%.
- Facilitated user authentication with SSO.
- Tech used: React-Native, Expo, Supabase, MLKit, GPT-3

SKILLS

C++ | Typescript | MySQL | Python | Java | Golang | HTML | Nodejs | Git | AWS | React | Docker