

Omid Hemmati

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EDUCATION

University of Toronto

Toronto, ON

Bachelor of Science in Computer Science (ASIP Co-op Program), GPA: 3.74/4.00

September 2023 – May 2027

- **Relevant Courses:** Foundations of Computer Science I & II, Software Design, Introduction to the Theory of Computation, Linear Algebra I & II, Probability, Statistics and Data Analysis I

EXPERIENCE

Software Developer

September 2024 – Present

University of Toronto Department of Computer Science

Toronto, ON

- Designed and maintained core features for MarkUs, a submission and grading tool contained in Docker serving **10,000+** students and faculty at the University of Toronto and the University of Waterloo, using Ruby on Rails.
- Developed comprehensive test cases using the RSpec testing library, improving code coverage to **95.17%** and ensuring high-quality, stable releases.
- Utilized Git for version control and issue tracking to integrate full-stack features, employing PostgreSQL queries to manage the database and address backend and UI components based on client feedback, resulting in improved functionality and user experience.

Web Developer

May 2024 – June 2024

Archome Improvements

Toronto, ON

- Designed and developed a responsive website using HTML, CSS, and JavaScript.
- Implemented a dynamic gallery with category filters, allowing users to navigate and view different sets of photos.
- Integrated a functional contact form, enabling direct communication with users by forwarding submissions to a personal inbox.
- Deployed the website on a custom domain using GitHub Pages and GitHub Actions, ensuring accessibility and a professional online presence.

PROJECTS

TikTok Automated | *Python, OpenAI Whisper, Google Cloud, Reddit API, FFmpeg*

April 2024 - August 2024

- Collaboratively designed and implemented an automation tool in Python to autonomously generate TikTok content in two modes, driving **60,000+** views per month by consistently producing engaging and trending content.
- Utilized the Reddit API to source entertaining and trending stories used in the autonomous content generation.
- Transformed long videos into short-form content optimized with external background footage for user engagement.
- Employed OpenAI's Whisper and Google Cloud's Text-To-Speech to automatically narrate and subtitle content.

Instagram Unfollowers | *Python, Streamlit, CustomTkinter*

June 2024 – July 2024

- Developed an Instagram unfollower tracking app with an intuitive UI, utilizing both Streamlit and CustomTkinter to assist **50+** users in generating actionable social media insights and identifying unfollowers.
- Integrated Instagram's data export feature, enabling secure uploads of follower and following data in JSON format while maintaining full compliance with Instagram's terms of service.
- Authored a detailed wiki/guide in Markdown, offering a step-by-step tutorial on app usage, which reduced user support inquiries by streamlining the onboarding process.

VOLUNTEERING

RSG Leader

January 2024 – April 2024

University of Toronto

Toronto, ON

- Organized and led weekly study sessions for collaborative learning, course material review, and exam preparation.
- Enrolled study group in career fairs and workshops for professional development and networking opportunities.

TECHNICAL SKILLS

Programming Languages: Python, Java, Ruby, R, Markdown, Batch Script, HTML/CSS, JavaScript

Developer Tools: Git, PyCharm, IntelliJ IDEA, RubyMine, Webstorm, Docker, Jupyterhub, Overleaf, PostgreSQL

Frameworks/Libraries: FFmpeg, whisper, os, pandas, PyGame, NumPy, Matplotlib

Miscellaneous: Adobe After Effects, Adobe Photoshop, Google Workspace, Microsoft Office

Languages: Native Fluency in English, Proficiency in Japanese, Basic Understanding of French

Certifications: CPR C and Standard First Aid, Bronze Cross Lifeguarding Certification