

Harold Mciver

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EDUCATION

University of South Florida

Bachelor of Science in Computer Science, GPA: 3.9

Tampa, FL

December 2025

EXPERIENCE

Software Engineer Intern

May 2025 - Aug 2025

Google — Gemini CLI & Gemini Code Assist

New York, NY

- Integrated Model Context Protocol (MCP) prompts into Gemini CLI, generating 15+ slash commands with argument validation and collision handling for seamless prompt/tool discoverability.
- Co-designed and migrated all legacy commands to a modular slash-command framework, enabling custom command creation and centralizing parsing/validation logic for slash commands.
- Re-engineered the LLM evaluation pipeline to benchmark different Gemini models on accuracy & latency, delivering data-driven recommendations that boosted task accuracy by 15 %.

Software Engineer Intern

June 2024 - August 2024

Capital One - Internal Tools

McLean, VA

- Developed backend APIs in Python to access SQL data and integrate information from external applications.
- Built a user-focused UI in React to display testing data, streamlining software testing processes and improving metric visibility.
- Deployed applications to AWS, optimizing non-production environments to support faster testing cycles and quality assurance.

AI/ML Research Assistant

August 2023 – June 2024

Advancing Machine and Human Reasoning Lab

Tampa, FL

- Engaging in Natural Language Processing and Cognitive Modeling research, utilizing Qualtrics surveys using JavaScript and conducting data analysis using Pandas and NumPy, revealing pivotal patterns
- Conducting extensive testing on various Large Language Models, employing TensorFlow and PyTorch for experimentation and analysis, resulting in a 30% enhancement in model accuracy and efficiency, including implementations with HuggingFace models for benchmarking and comparison

Software Engineer Intern

June 2023 – August 2023

PwC

Tampa, FL

- Developed a full-stack budget calculation application using Django for both frontend and backend, integrating machine learning models to enhance financial forecasting and calculation accuracy.
- Built data pipelines for real-time financial data processing, enabling dynamic updates in forecasting models.

PROJECTS

USublease | React, AWS (Lambda, S3), Google Maps API, Node.js

Project Link

- Launched a campus-focused subleasing marketplace, achieving 10,000+ visits in the first two months through optimized SEO and targeted deployment.
- Architected a serverless media storage system using AWS Lambda and S3, integrating the Google Maps Platform for a responsive geospatial user interface.
- Improved load performance by implementing image compression and lazy-loading strategies, significantly reducing bandwidth usage and enhancing mobile user experience.

SpeakGeek | React, Javascript, Python, Firebase, OpenAI Whisper

Project Link

- Built a cloud-based, full-stack mock interview platform using React.js and Firebase, providing real-time feedback and grading to 500+ students.
- Integrated OpenAI's GPT models and Chart.js to deliver interactive, visual, and constructive feedback on behavioral interview responses.

TECHNICAL SKILLS

Languages: Python, C/C++, Java, Go, Typescript, JavaScript, HTML/CSS

Frameworks: React, Next.js, Flask, FastAPI, Django, Node.js/Express, PyTorch

Developer Tools: AWS, Google Cloud Platform, Git/GitHub, VSCode, Postman, Jira