Vince Moschella

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Education

University of Guelph **Expected May 2026**
Hons. Bachelor of Computing, Computer Science Co-op (GPA 3.94 / 4.00) Guelph, ON, Canada

Experience

Amazon **September 2025 – December 2025**
Software Development Engineer Intern – Incoming Fall 2025 Vancouver, BC, Canada

Shopify **May 2025 – August 2025**
Software Engineer Intern Toronto, ON, Canada
- Enabled **over 2 million** merchants to configure custom vanity domains by building **GraphQL APIs** in **Ruby** to expose domain configuration data and endpoint URLs to **React** components
- Built a CLI tool that accelerates developer research time by **80%** by leveraging internal **Model Context Protocol** (MCP) servers to aggregate and display relevant team projects, internal documentation, and Git metadata
- Increased customer login conversion rates by **75%** across merchant storefronts through developing **React** OAuth configuration components for Google, Facebook, and Apple authentication, reducing signup friction for new users

Ansys **May 2024 – December 2024**
Software Engineer Intern Waterloo, ON, Canada
- Migrated user preference and workflow features from a desktop app to a web interface using **React** and **REST APIs** to offload computational tasks to Ansys servers and eliminate local compute power needs for **over 1 million** users
- Developed a package using **React** and **Redux** to standardize the implementation of shortcuts across **3** web-based simulation applications, reducing the codebase size by **10%** and improving maintainability
- Wrote end-to-end tests using Cypress to simulate complex user workflows and validate core functionalities, increasing bug detection rates by **70%** during the development phase and achieving **95%** test coverage

Google Developer Student Club **August 2023 - August 2024**
Software Developer & President Guelph, ON, Canada
- Led the Developer Student Club at Guelph, growing it into the school's largest community with **300+** members
- Raised **over $25,000** from sponsors and directed **30+** people across multiple different teams to coordinate a 3-day hackathon that hosted over **200** participants, **20+** workshops, and received recognition from Google
- Built a hackathon platform using **React** and **Google Cloud** managing **600+** applicants and **5,000 monthly visitors**

Saige **January 2023 – August 2023**
Software Engineer Intern Vancouver, BC, Canada
- Developed and deployed a multi-channel notification system to production using **AWS** (Lambda, SQS, SNS), **Firebase**, and Twilio, delivering email, SMS, and push notifications to **more than 10,000** monthly active users
- Scaled an internal analytics service to handle **10x higher query volume** by implementing connection pooling and query batching in **Python**, reducing response times by **40%**
- Led the redesign of the company's web app using **React**, managing 3 interns to deliver **2 months ahead of schedule**

Projects

LLM-Enabled Phone Calling Service | *Next.js, FastAPI, Firebase, OpenAI, 11ElevenLabs, Twilio*
- Led a team to build a service that lets users create automated phone calls with AI-generated, realistic human voices
- Utilized OpenAI and 11ElevenLabs **APIs** to generate and convert messages into speech, using Twilio to deliver calls

Ring Doorbell System | *Node.js, WebSockets, Express, Python, OpenCV, React Native, Firebase*
- Recreated the Ring doorbell using WebSockets to stream video from a Raspberry Pi to a **React Native** mobile app
- Used **Python** and OpenCV to recognize faces and send in-app alerts to notify users of detected strangers

ML Model Training Web App | *Python, FastAPI, TensorFlow, React, Firebase*
- Designed a website with **React** that trains tailored ML models using Tensorflow based on user uploaded data
- Implemented an API in **Python** that triggers user trained ML models to generate predictions on unique data

Skills

Languages Python, JavaScript, TypeScript, Java, C, Ruby, GraphQL, SQL, HTML/CSS
Technologies React, Redux, Next.js, Node.js, Express, Flask, Cypress, AWS, GCP, Docker