Vincent Wang

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EDUCATION

University of Toronto **Fall 2023 – Spring 2027**

Honours BSc – Computer Science Specialist | Statistics Major; GPA: 3.86/4.0

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Organization, Software Design, Software Engineering, Programming Languages, Databases, Machine Learning, Artificial Intelligence, Computer Vision, Neural Networks & Deep Learning

EXPERIENCE

Remeda AI – Software Engineering Intern **September 2026 – Present**

- Contributing to Polaris, an embedded clinical AI assistant, expanding the platform to support additional clinical user personas, workflows, and care scenarios while assisting with EMR integrations and billing infrastructure.
- Contributing to On Ego, a research project examining how patient-facing health interfaces influence self-managed health outcomes, patient engagement, and the reduction of administrative and documentation burden for healthcare providers.

SpaceX, Starlink – Software Engineering Intern **May 2026 – August 2026**

- Developed full-stack internal tooling using .NET 9, C#, CockroachDB, React, and Angular, building REST API endpoints and frontend workflows for Starlink account, billing, and network management systems.
- Built a network restriction system that identified high-usage users and enforced configurable access limits through backend policy logic and administrative controls; led a staged rollout across 3 countries, monitoring for issues before global release.
- Built a prepaid billing workflow that collected payment before data allocation, reducing fraud and nonpayment.
- Expanded Starlink's coupon/promotions infrastructure, improving workflows for creating, validating, and applying offers.

Jinesis Lab – AI Researcher **August 2025 – December 2025**

- Contributed to building a comprehensive causal reasoning benchmark for large language models.
- Engineered structured datasets for a causal AI benchmark using Python scripts and a standardized schema.
- Automated statistical computations to derive key metrics (e.g., standard errors) from published results.
- Implemented automated validation checks to ensure data consistency and accuracy across the benchmark.

Algoverse – AI Researcher **July 2025 – October 2025**

- Developed white-box techniques for detecting hidden misalignment in LLMs by analyzing internal model activations.
- Designed Gaussian noise interventions across transformer layers using PyTorch to probe latent objectives in models.
- Trained linear/nonlinear probes w/ scikit-learn on hidden activations to group deceptive/honest responses w/ high AUC.
- Automated evaluation with LLM-as-judge labeling and 49+ layer probing, making reproducible artifacts for AI safety.

PROJECTS

TikTok Reddit Story Automator – Python / FastAPI / React / PostgreSQL **August 2026 – Present**

- Built a full-stack content automation platform that pulls popular Reddit stories, generates narrated videos with synchronized on screen captions, engaging background footage and music, and automatically uploads to TikTok.
- Developed automated segmentation logic to parse long or multi-part Reddit stories into sequential short-form videos, intelligently selecting split points and preserving context, ordering, and continuity between parts.
- Implemented a PostgreSQL-backed content tracker & dashboard to prevent duplicate uploads and manage queued content.

Avian Biodiversity Reporting Platform – Python / Django / React / PostgreSQL / AWS **September 2026 – Present**

- Developing a full-stack biodiversity reporting platform with an external partner, extending an existing Django/React application for collaborative bird-sighting collection and analysis.
- Integrating the eBird API and building visualization and reporting features to compare species diversity across locations and time periods using citizen-science data.
- Building interactive analytics for biodiversity metrics, population trends, and geographic sightings to support education

SKILLS

- Languages: Python, C#, Java, C/C++, JavaScript, HTML/CSS, R, Swift
- Frameworks & Libraries: .NET 9, ASP.NET Core, EF Core, React, Angular, PyTorch, Scikit-learn, TensorFlow, TA-Lib
- Tools & Platforms: Git, SQL, PostgreSQL, CockroachDB, Docker, Kubernetes, Linux, GitHub Actions, Postman, REST APIs, Bash/Shell Scripting