STANLEY PANG

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EDUCATION

University of Toronto (St. George) — **Expected Graduation: June 2026**
Honours BSc. Computer Science Specialist, Minor in Mathematics and Statistics — cGPA: 3.52 / mGPA: 3.70

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Operating Systems, Relational Database Systems, Web Development, Computer Organization, Object-Oriented Programming, Artificial Intelligence

TECHNICAL SKILLS

Languages: Python, Javascript/Typescript, Java, SQL, C/C++, HTML/CSS, Bash, R, LaTeX
Libraries/Frameworks: Next.js, React.js, Spring Boot, Express.js, FastAPI, Flask, Node.js, Tailwind CSS
Cloud & DevOps: AWS (SageMaker, EC2, S3), Docker, Kubernetes, Git, CI/CD
Databases: PostgreSQL, MongoDB, Neo4j, Redis, Prisma, psycopg2
ML/AI: scikit-learn, pandas, NumPy, Tensorflow, Hugging Face, Matplotlib, Seaborn

EXPERIENCE

S&P Global — May 2025 - Aug 2025
Software Developer Intern — *Toronto, ON*

- Architected and deployed ML-driven anomaly detection systems in Python (scikit-learn, pandas, NumPy) for vendor data feeds, reducing manual data quality checks by **75%** and improving Reference Data team efficiency.
- Built and integrated AWS SageMaker-deployed machine learning models into S&P Global's internal React-based developer tools, accelerating data anomaly analysis workflows by 40% for 200+ internal users.

Knowlecy — Jan 2025 - Apr 2025
Software Engineer (Academic Project) — *Remote*

- Led full-stack development in a 6-person Agile team, building core mind mapping functionality for LitInsight (Knowlecy's AI-powered research platform), using TypeScript, Python, Neo4j, and Next.js.
- Spearheaded frontend architecture using Next.js and FastAPI, creating intuitive interfaces for exploring and annotating research paper concepts with 95% user satisfaction based on A/B testing data

Bayes Studio — Oct 2024 - Dec 2024
API and Data Integration Intern — *Remote*

- Researched and documented geospatial, meteorological, and wildfire data from **8+ APIs** to inform a machine learning pipeline for wildfire prediction and spread analysis, enabling the integration of high-quality data sources.
- **Collaborated** with technical teams to identify **data requirements**, ensuring alignment with system architecture and model implementation goals, while conducting market research on potential APIs and data sets.

PROJECTS

DailyQuest | *Java, TypeScript, SpringBoot, Next.js, React.js, PostgreSQL, TailwindCSS*

- Developing a full-stack habit tracking web application with React.js frontend and Spring Boot backend, featuring JWT-based authentication and real-time progress tracking
- Designed and implemented RESTful API with Spring Boot, enabling seamless communication between frontend and PostgreSQL database with **sub-200ms** response times

GreenTag (Hack the Future) | *Typescript, Python, Next.js, React.js, Flask, Gemini API, Firebase, D3.js*

- Independently developed a **reverse logistics platform** for fast-fashion returns (Hack the Future hackathon), collaborating with business students on **Figma** to align user experience with sustainability and cost objectives.
- Architected full-stack solution using TypeScript, Python, Next.js, and Flask, integrating Gemini API for intelligent item categorization and Firebase for real-time inventory updates.