Brielle Nguyen

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EDUCATION
Western University — B.Sc. Computer Science (GPA: 3.8)   2025
Ivey Business School, Western University - *Honours Business Administration (HBA)*
- **TD Data Analytics Scholar | Ivey Scholar | SheHacks+ 7: General Motors Hackathon Winner (2023)**

Courses: Operating System, Machine Learning, Data Structures, Computer Architecture, Parallel Programming, Compilers, System Programming

WORK EXPERIENCE
S&P Global, Toronto, ON, Canada   July 2024 – October 2024
Software Engineer Intern
- **Built a microservices platform** using Go and Kubernetes for S&P's market data products, enhancing real-time data processing and system reliability for 50K+enterprise users while applying analytical techniques to inform product performance decisions.
- **Optimized search algorithms within S&P's high-traffic financial applications** by implementing machine learning techniques with Python and TensorFlow, reducing data retrieval response times by 20%.
- **Refactored the legacy codebase of S&P's Corporate Ratings Dashboard** incorporating modern JavaScript frameworks (React and Node.js), leading to a 25% improvement in frontend performance and a 15% reduction in load times across the platform.
- **Improved deployment frequency** by 30% through CI/CD automation enhancements, reducing rollback incidents by 40%.

Hydro One, Toronto, ON, Canada   May 2024 – July 2024
Program Analyst Intern, Digital Transformation
- **Defined KPIs and product specs** for the Cloud Infrastructure Migration Roadmap, reducing lead time to release by 32%.
- **Support launch of an internal Asset Risk Visualization tool** with a 92% adoption rate in the first two weeks, developing deployment strategy, rollout materials, and onboarding workflows.
- **Established stakeholder alignment and cross-functional documentation standards** that cut onboarding time by 50% and accelerated future roadmap execution.

Appen AI, Toronto, ON, Canada   June 2023 – August 2023
Associate Product Manager Intern
- **Contributed to product strategy revamp** for Appen's LLM RLHF Studio, leading to a 25% increase in qualified leads and a 30% improvement in product-market fit through refinement of product positioning.
- **Designed and implemented interactive KPI dashboards** for the LLM Feedback Loop Product to track throughput, and retention, driving 60% faster quarterly alignment reviews and enhancing data visibility across product, marketing, and engineering stakeholders.
- **Analyzed user data through 50+ interviews and usability tests** to identify friction points in the Labeling Insights Module feature; enabling roadmap reprioritization that increased feature completion rate by 30% and boosted user retention by 22%.

Deloitte, Toronto, ON, Canada   Jan 2023 – April 2023
Product Management Intern
- **Defined MVP scope and led sprint planning for a** client-facing billing platform; shipped in under 6 weeks and reclaimed $1.6M in revenue.
- **Drove cross-functional GTM execution** for Deloitte's Cloud ERP Suite, overseeing product launch plans, onboarding workflow optimization, and stakeholder engagement-resulting in a 15% uplift in enterprise adoption and a 20-point NPS improvement.

TECHNICAL PROJECTS
CineMatch: AI-Powered Movie Guide —PM + Full Stack Dev   2025
- Led end-to-end product development for an AI-powered movie recommendation app using GenAI and sentiment-driven user scoring.
- Developed and validated ranking system — a novel user-generated metric capturing emotional resonance, differentiating CineMatch from algorithm-only platforms.
- Conducted 20+ user interviews and designed Agile sprints around core pain points; prioritized features including OpenAI-powered summarization, voice input, and watchlist tracking.
- Positioned CineMatch as a unique fusion of personalization and explainable AI, showcased at Western's innovation forum.

LEADERSHIP
Ivey Product Society, Western University - *VP of Product*   Sep 2023 – Sep 2024
- Led the end-to-end development and launch of 3 internal products used by 300+ students, including a mentorship-matching platform and project feedback system.
- Oversaw product discovery, defined MVP scopes, conducted user interviews, and worked with teams to deliver functional prototypes.
- Established roadmap and execution frameworks for 8 student teams, improving delivery consistency and stakeholder feedback cycles.
- Designed and delivered workshops on lean MVPs, product metrics, storytelling to 150+ students, cultivating a young product mindset.

SKILLS
Programming: Python, Java, JavaScript (ES6+), C/C++, SQL, R, HTML, CSS, React.js, Node.js, Express.js, Redux/Immutable, TypeScript, Django.
Product: Agile/Scrum, PRD Writing, OKRs & KPIs, Road mapping, User Research, Wireframing, GTM Strategy, A/B Testing, Data-Driven Iteration
Tools: Docker, Jenkins, Git/GitHub, AWS, Jira, Confluence, Slack, CI/CD Pipelines, Hadoop, Apache Spark, PowerBI, Tableau, Figma, Adobe, Salesforce.