

JOHNNY LEUNG

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in [johnny-leung10](#)
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Education

University of Waterloo - Bachelor of Computer Science (B.C.S)

2019 - 2024 (Expected)

Relevant Coursework: Algorithms, Database Management, AI, Application Development, Networks, Security

Technical Skills

Languages: Python, Java, SQL, GoLang, C++, C#, Kotlin, JavaScript

Frameworks: Node.js, React.js, Unity3D, Django, Android Studio

Technologies: Git, Postgres, Jenkins, Firebase, Pandas, Numpy, Airflow, Apache Spark, Scikit-learn, BeautifulSoup

Experience

Riot Games

Jun 2023 – Sep 2023

Software Engineer (Internship)

Los Angeles, CA

- Improving player experience in the top shooter game VALORANT by eliminating cheaters through backend **Go** matchmaking services, impacting over **25 million** active monthly users
- Collaborated with the Insights Team to leverage **Data Analytics** for strategic improvements in competitive matchmaking, resulting in significant enhancements affecting over **3 million** high-ranked players
- Hotfixing in-game bugs in **Unreal Engine** and **C++**, including a live tournament bug that affected 1 million players

Apple

Jan 2023 - Jun 2023

Software/AI Engineer (Internship)

Cupertino, CA

- Designed and implemented backend REST API endpoints in **.NET** for automating a large-scale service testing service. This initiative streamlined testing operations by **98%** and improved system performance by enhancing flow efficiency
- Developed a deployable **Python** testing framework that automated unit and integration tests, reducing onboarding time by **80%** and enabling efficient multi-environment validation for hardware engineers
- Engineered and integrated **XGBoost Machine Learning** models in **Python** to predict hardware charge behavior, enabling real-time anomaly detection and explainable insights for **90%** improved decision-making.

Riot Games

May 2022 - Aug 2022

Software Engineer (Internship)

Los Angeles, CA

- Led an initiative to streamline data access across team products by developing a **Go** automated support Slackbot with JIRA and Slack **REST API** integrations, resulting in a **75%** reduction in support time and improving team productivity
- Implemented an **NLP classifier** using **Python** and **BERT**, reducing data support on-call team workload by **33%** through automated product triaging and solution generation.
- Performed data analysis using **Python** and created **Databricks** notebook jobs, enhancing **AI** chatbot integration which improved on-call service response time by **40%**

Scotiabank

May 2021 - Aug 2021

Data Scientist (Internship)

Toronto, ON

- Increased generated business leads for Relational Managers by **500%** by writing **Apache Spark** and **SQL** queries
- Processed and displayed data from **ML recommender models** into a **Django** app with **Python**, enhancing productivity for over 300 Customer Relational Managers all over Canada by reducing data processing time by **20%**
- Organized weekly events and wrote bi-weekly newsletters for the **110+** other interns at the bank as Marketing & Communications Coordinator for the Internship Social Committee, increasing intern engagement in work events by **90%**

Sonical.ly

Jan 2021 - Apr 2021

Game/Mobile Applications Developer (Internship)

Vancouver, BC

- Developed an educational mobile game in **Unity**, taking charge of backend system design in **C#** for an immersive audio production learning experience that was beta-tested by a community of **1000+** users
- Implemented **Firebase** backend services for user logins and persistent data, leading to a **300%** increase in player base

Volunteer Experience

University of Waterloo Product Management Club

May 2022 - Dec 2022

VP Internal

Waterloo, ON

- Reached out to career professionals and helped moderate and organize tech-focused speaker events designated to educate **1000+** students about breaking into Product Management in various Software fields