

TAEKYU (DAVID) KANG

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Education

University of British Columbia (UBC)

Vancouver, Canada

Master of Data Science in Computational Linguistics (NLP)

Expected June 2025

- Coursework: Data Science, Natural Language Processing, Machine Learning, Neural Networks, LLM and RAG
- Honors: UBC Master of Data Science in Computational Linguistics Scholar ('24), Student Representative ('24)

University of British Columbia (UBC)

Vancouver, Canada

Bachelor of Applied Science in Computer Engineering, Minor in Commerce

May 2022

- Coursework: Software Engineering, Algorithms, Database Management, Distributed Systems, Multithreading, OS
- Honors: First-Class Standing ('22), Canadian Rising Youth Scholar ('21), UBC Blue and Gold Scholar ('18)

Experience

Settle

San Francisco, USA

Software Engineer

Sept. 2022 – Aug. 2023

- Collaborated with engineers and product managers to develop and maintain RESTful APIs using Postman, allowing clients to perform transactions outside Settle, and ultimately increased product usage by over 20%
- Implemented Multi-Factor Authentication (MFA), resulting in over 90% daily user adoption rate among clients
- Integrated APIs from QuickBooks, NetSuite, and Xero to increase account usability and productivity by 15%
- Spearheaded the refactoring of the Model-View-Controller (MVC) architecture for Invoice and Payments Approvals process, reducing code redundancy by half and improving the feature speed by 15%
- Developed and launched the most requested client feature - Customizable User Roles and Permissions
- Maintained feature deployment on Heroku and resolved on-call technical issues via Rails Admin console
- Contributed to over 500 pull requests (PRs), merging 250+ PRs to production, triaging and resolving over 70 on-call tickets, and performing reviews and discussions on over 200 PRs

SAP

Vancouver, Canada

Software Engineer & Technical Project Manager Co-op

May 2019 – Aug. 2020

- Developed an NLP powered sentiment analysis tool using Python and TensorFlow to analyze customer feedback and calculate the Net Promoter Score which served as one of the organization's Key Performance Indicators (KPI)
- Implemented several RESTful APIs, allowing our NLP tool to be integrated into other key business intelligence tools at SAP, which contributed to increasing our product usage by over 20%
- Integrated internal APIs to develop a custom context-menu toolkit for our NLP Business Intelligence feature
- Engineered the services for importing auto-generated analytics data into the customer's dashboard which increased the usability of our NLP tool as one of its three key features
- Created 15 Jasmine unit and integration test packages, increasing the team code coverage by over 30%

Campus Lightbox

Vancouver, Canada

Co-Founder & Director

Jul. 2017 – Present

- CampusLightbox.com is a Canadian non-profit organization aimed to improve mental health among young adults
- Led a cross-functional team of engineers and product managers to define technical and product specifications
- Architected and developed the initial platform using React.js, ensuring scalability and an efficient system
- Secured over \$40,000 in grants and sponsorships to grow the platform, and managed a team of 20+ volunteers
- Drove platform integration into 40+ clubs and faculties, supporting a user base of 45,000+ students since 2019
- Honors: Three-time UBC Innovative Projects Award Recipient ('18, '20, '21)

Skills

Software Engineering: Java, Ruby on Rails, JavaScript, HTML, CSS, React, SQL, GraphQL, Git, AWS, Heroku

Machine Learning: Python, R, TensorFlow, SkLearn, NLTK, PyTorch, Scikit, Pinecone, NLP, LLM