

# TAEKYU (DAVID) KANG

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## Education

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### University of British Columbia (UBC)

Vancouver, Canada

*Master of Data Science in Computational Linguistics (NLP)*

Expected June 2025

- Coursework: Corpus Linguistics, Machine Learning, Natural Language Processing, Large-Language-Models
- Honors: UBC Master of Data Science in Computational Linguistics Scholar ('24)

### University of British Columbia (UBC)

Vancouver, Canada

*Bachelor of Applied Science in Computer Engineering, Minor in Commerce*

May 2022

- Coursework: Software Engineering, Algorithms, Operating Systems, Multithreading, Machine Learning
- Honors: First-Class Standing ('22), Canadian Rising Youth Scholar ('21), UBC Blue and Gold Scholar ('18)

## Experience

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### Settle

San Francisco, USA

*Full-Stack Software Engineer*

Sept. 2022 – Aug. 2023

- Developed RESTful APIs using Postman to allow CRUD operations on invoices and payments outside Settle
- Integrated APIs from QuickBooks, NetSuite, and Xero to increase account usability and productivity by 15%
- Developed Multi-Factor Authentication (MFA), which was activated and used by over 75% of clients
- Led the refactoring of the Model-View-Controller (MVC) architecture for Invoice and Payments Approvals process, reducing code redundancy by 50% and improving the approvals feature speed by 15%
- Implemented Customizable User Roles and Permissions, the most requested feature by clients
- Maintained feature deployment on Heroku and resolved on-call technical issues via Rails Admin console
- Contributed to more than 500 pull requests (PR) in total, merging over 250 PRs to production, triaging and resolving over 70 on-call tickets, and reviewing over 200 PR review requests

### SAP

Vancouver, Canada

*Agile Software Engineer & Technical Project Manager Intern*

May 2019 – Aug. 2020

- Implemented a sentiment analysis tool (Python) to analyze customer feedback on our products and to calculate the Net Promoter Score which was one of the organization's Key Performance Indicators
- Integrated internal APIs to develop a custom context-menu toolkit for our NLP Business Intelligence feature
- Designed and developed the process of importing auto-generated analytics data into the customer's dashboard which was one of three key features in increasing the usability of our NLP tool
- Developed 15 different Jasmine unit and integration test packages, increasing code coverage by over 20%

## Projects

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### Campus Lightbox (Canadian Non-Profit Organization)

Vancouver, Canada

*Co-Founder & Director*

Jul. 2017 – Present

- CampusLightbox.com is a Canadian non-profit organization aimed to better facilitate mental health resources
- Managed all aspects of project development from inception to completion of Phases 1 and 2
- Raised over \$30,000 in grants and sponsorships and worked with over 20 volunteers to promote our platform
- Integrated into over 40 different university clubs and faculties, and used by over 40,000 students
- Honors: Three Times UBC Innovative Projects Award Recipient ('18, '20, '21)

## Skills

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Machine Learning: Python, TensorFlow, Sklearn, NLTK, PyTorch, Scikit, NLP, LLM

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