

David (Taekyu) Kang

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EDUCATION

University of British Columbia (Vancouver, BC)

Expected June 2025

Master of Data Science in Computational Linguistics (NLP)

Awards: MDS-CL Entrance Scholarship ('24)

University of British Columbia (Vancouver, BC)

Graduated May 2022

Bachelor of Applied Science in Computer Engineering with Minor in Business

Awards: UBC Class 1 Academic Award ('22), Canadian Rising Youth Award ('21)

WORK EXPERIENCE

Settle Inc. (San Francisco, CA)

Sept 2022 – Aug 2023

Software Engineer

- Designed, developed, and maintained several product features as the technical lead, which included developing and presenting the technical specification to relevant stakeholders and collaborating with front-end and back-end teams to successfully launch and maintain the feature
 - Spearheaded the development and launch of Settle's first TOTP-based Multi-Factor Authentication (MFA) system which was activated and used by over 75% of our clients
 - Spearheaded and maintained Settle's first batch of external RESTful APIs using Postman and integrated APIs from various third-party accounting services using OAuth 2.0
 - Spearheaded the refactoring of Settle's largest Model-View-Controller (MVC) architecture to reduce code redundancy by 50% and improve the overall speed of the service by 15%
- Collaborated with cross-engineering teams to develop other back-end features including customizable user roles, a client management portal, and a new billing plan architecture
- Deployed and maintained features on Heroku and resolved technical issues via 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, BC)

May 2019 – Aug 2020

Software Engineer & Technical Project Manager Intern

- Designed and developed a series of services and features to enhance the team's NLP-powered text-to-analytics Business Intelligence tool
 - Developed a custom context-menu, leveraging various APIs to fetch the basic menu actions and developed new services to customize user input and output
 - Developed a multi-functioning toolbar to allow users to create, update, and modify BI-dashboards generated from the text-to-analytics tool
- Developed a python script to perform sentiment analysis on consumer feedback to calculate and analyze the Net Promoter Score and identify key areas of improvements in our product
- Completed over 70 different Story/Epic-level Jira tickets for project completion
- Wrote and automated 15 different Jasmin unit and integration test packages to increase the team's code coverage by over 20% and improve the overall CI/CD process

Campus Lightbox (Vancouver, BC)

Jul 2017 – Present

Project Lead and Co-Founder

- Campus Lightbox (<https://campuslightbox.com/>) is a registered Canadian non-profit organization aimed to better communicate and facilitate mental health resources for university students
- Collaborated with over 20 volunteers to raise over \$30,000 in funding to design and develop the product and to successfully brand and promote it to the student body
- Since the official launch of the platform in 2019, Campus lightbox has been used by over 30,000 students and is integrated into over 40 different university club and faculty pages
- Three-time winner of the University of British Columbia Innovative Projects Award (2018, '20, '21)

TECHNICAL SKILLS

Programming Languages

Java	SQL / GraphQL
Ruby on Rails	Javascript / Typescript
Python	HTML/CSS

Technologies and Frameworks

React / NodeJS	Numpy / Pandas
Git / Jenkins / Jira	LLM / SpaCy / NLTK
AWS / GCP	PyTorch / Scikit-learn