

# Boris Wang

[boris.wang117@gmail.com](mailto:boris.wang117@gmail.com) | (780)-238-7135 | [linkedin.com/in/boriswangcs](https://www.linkedin.com/in/boriswangcs) | [github.com/bcw117](https://github.com/bcw117) | [boriswang.live](https://boriswang.live)

## TECHNICAL SKILLS

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**Languages** Python, C++, C, Java, JavaScript, TypeScript, SQL  
**Technologies** Express.js, FastAPI, Git, Node.js, Next.js, Deno, React.js, scikit-learn

## TECHNICAL EXPERIENCE

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**Data Science Intern** May 2024 - Aug 2024  
M2M Tech *Remote*

- Created capstone projects utilizing machine learning methods such as **predictive analysis**, **segmentation**, and **classification** to process different **datasets** through scikit-learn and Pandas
- Implemented **training pipelines** using Python to encapsulate **data pre-processing** and fitting the model, helping to prevent data leakage and streamline model training
- Optimized model performance using **scaling**, **principal component analysis** and **cross-validation**, leading to a **15%** increase in model accuracy

**Research Intern** Jul 2022 - Aug 2022  
University of Alberta *Remote*

- Researched application of **natural language processing** and **word vectors** on student learning through development of **NLP-related** team projects
- Trained **Word2Vec word embedding model** with C++ related texts, processing the data using **Gensim** and **NLTK**
- Built word guessing game utilizing the model to compare words based on semantic relationships and generate similarity scores through **word vector operations**

## TECHNICAL PROJECTS

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**ForumAI - UBC Launch Pad** September 2024 - Present

- Developed **full-stack** web application with **Next.js** and **Deno**, leveraging AI to aid student learning through structured academic forums
- Implemented backend endpoints for managing posts using **Postgresql.js** to query post data from a **PostgreSQL database** and writing database migrations in **SQL**
- Used **WebSockets** to enable real-time messaging between users, creating models and schemas for channel and message database storage

**Ultimate Siegery - Personal Project** July 2024 - September 2024

- Deployed web application with **Next.js** to create randomized load-outs for a video game through **Vercel**
- Built **Node.js RESTful API** to filter and retrieve load-out data, using **JestJS** for **API unit-testing**
- Utilized **PostgreSQL database** and **AWS S3 Buckets** to store loadout data and image assets

**ColdBrew - Personal Project** March 2025 - March 2025

- Developed a full-stack application using **Next.js** and **Supabase** to automate the generation and sending of outreach messages through LinkedIn
- Utilized **webhooks** to call **Gumloop API**, using a **custom AI agent flow** to find relevant LinkedIn connections and create tailored messages
- Implemented dashboard to track sent messages using **Next.js server actions** to retrieve connection and message information from **Supabase**

## EDUCATION

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**University of British Columbia** Sep. 2023 - May 2028  
*BSc in Computer Science* *Vancouver, BC*  
Relevant Coursework: Software Construction, Data Structures and Algorithms, Systematic Program Design