Derek Huang

778-883-9008 | dlh10@sfu.ca | linkedin.com/in/derekhuang1 | derekhuang.xyz | github.com/dereklwh

EDUCATION

Simon Fraser University — Burnaby, BC
B.Sc. Joint Major in Business Administration and Computing Science (Co-op) — *Expected Spring 2026*
- Dean's Honour Roll, President's Honour Roll, SFU Open Scholarship, Beedie Study Abroad Award
- Relevant Courses: Software Engineering, Database Systems, AI, Mobile App Programming, Data Science

EXPERIENCE

Business Intelligence Intern — Sep. 2024 – Apr. 2025
Canucks Sports and Entertainment — *Vancouver, BC*
- Automated post-game survey reporting using Python and Tkinter; reduced report generation time by 95%
- Mapped fan data for Canucks Wrapped campaign; personalized content for 23,000+ fans using SQL and NHL API
- Fulfilled 100+ ad hoc data requests using pandas and NumPy for marketing, sales, and partnerships
- Built NLP model with DistilBERT for classifying fan feedback; enabled smart routing of comments
- Collaborated with Salesforce team to streamline opportunity pipeline using automation

Student Software Developer — Feb. 2024 – Present
SFU Blueprint — *Burnaby, BC*
- Developed AI chatbot with RAG and CoT prompting for MOSAIC using OpenAI API
- Integrated Neo4j for graph-based knowledge storage and retrieval
- Created CI/CD pipeline for automated testing and deployment
- Building admin dashboard in Typescript and TailwindCSS for content management

Business Analyst Co-op — Sep. 2022 – Dec. 2022
D-Wave Systems — *Burnaby, BC*
- Worked in Agile/Scrum environment; participated in sprint planning and daily standups
- Led UAT for new features using Postman and Salesforce; delivered training to stakeholders
- Gathered and documented requirements for new initiatives
- Built and maintained Power BI dashboards presented to executives

PROJECTS

Dead City Chronicles | *Java, JUnit, JaCoCo* — Sep. 2023 – Dec. 2023
- Designed and implemented a 2D maze game using object-oriented principles
- Ensured quality using unit/integration testing and coverage via JaCoCo; automated with Maven

FluentU | *Kotlin, Google Translate API, SQLite* — Nov. 2023 – Dec. 2023
- Built language learning app with MVVM architecture and offline SQLite storage
- Used Google Translate API for dynamic translation of vocabulary and quizzes

Hospital Bot | *Python, Flask, Twilio, Selenium, Heroku* — May 2022 – June 2022
- Created SMS bot to guide users to nearest hospitals with available rooms using real-time scraping
- Integrated Twilio, Flask, and deployed to Heroku with full backend pipeline

Flights Analysis | *Python, pandas, scikit-learn* — Mar. 2023 – Apr. 2023
- Analyzed flight delays/cancellations using regression modeling
- Presented findings effectively using visualization and clear communication

TECHNICAL SKILLS

Languages: Python, C/C++, Java, Kotlin, JavaScript, HTML, CSS, SQL, Matlab, Typescript
Frameworks/Tools: React.js, Node.js, Flask, Neo4j, JUnit, Power BI, Git, Linux, Jira, CI/CD, Heroku
Libraries: pandas, NumPy, Matplotlib, scikit-learn, Selenium, Beautiful Soup, TailwindCSS
Concepts: Agile, Data Visualization, Prompt Engineering, NLP, Software Testing