

Doris Zhang

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EDUCATION

University of British Columbia

September 2023 - May 2027

B.Sc., Major in Computer Science (GPA: 4.20/4.33)

- Relevant Courses: Systematic Program Design, Models of Computation, Software Construction (Data Structures, Object-Oriented Design, Debugging, Testing)
- Awards: Centennial Scholarship Entrance Award (\$24,000), Dean's List (2023), 2 x CS Project Hub Award

TECHNICAL SKILLS

Programming Languages: JavaScript/TypeScript, Java, Python, CSS, HTML, Racket

Frameworks and Libraries: React, React-Native, NumPy, Pandas, PyTorch, Matplotlib, Scikit-learn, JUnit

Tools/Environments: Git, VSCode, Eclipse, PyCharm, IntelliJ

WORK EXPERIENCE

AI4Good Lab

Toronto, ON

Machine Learning Fellow

May 2024 - Present

- Selected as **one of 90 trainees** across Canada to collaborate on AI-focused projects for social good, in association with partners like CIFAR, Mila, Vector Institute, Amii, and DeepMind
- Collaborated with **teams of 5 and industry mentors** to ideate, design, and develop product solutions to social issues
- Awarded the **AI4Good Accelerator Award** from the Toronto Cohort, recognizing the team's AI project for exceptional innovation and impact; facilitated project extension with support and resources from the Lab network

PROJECTS

Brig.ai | *JavaScript, React, HTML/CSS, Python, Flask, Pandas, NumPy, Sklearn* (AI4Good)

- Pre-processed **over 1000 data points** of self-reported symptoms linked to reproductive health conditions, performing model-based feature selection
- Trained **Adaboost and Logistic Regression models** to predict PCOS and endometriosis, with **accuracies of 85-93%**
- Implemented **K-means clustering with 5 clusters** to map symptoms to the most effective group of diagnostic tests to reveal potential reproductive health conditions based on the patient's specific symptom patterns

ReadBuddy | *JavaScript, HTML, CSS* (cmd-f 2024)

- Developed a **Chrome web extension** providing users with dyslexia a comfortable reading experience across websites
- Implemented a pop-up interface using HTML and CSS, allowing users to **customize up to 5 features**: font, font size, horizontal and vertical word spacing, and color schemes, and to activate a cursor-following ruler
- Retrieved user input for website settings and injected new CSS to update website display accordingly

DareVenture | *TypeScript, JavaScript, HTML, CSS, Node.js, MongoDB, React-Native* (youCode 2024)

- Mobile app with daily wellness prompts, where users earn points to redeem discounts on active gear from partners
- Built a responsive and user-friendly interface across iOS and Android platforms using **React Native**

LEADERSHIP

Development and Alumni Engagement Ambassador

Vancouver, BC

University of British Columbia

September 2023 - Present

- Promoted UBC's student-success campaigns to raise funds and increase student access to financial resources
- Connected with UBC Alumni and Donors to promote their continued engagement with UBC

FIRST Robotics Team Captain

London, ON

Sir Frederick Banting Secondary School

September 2022 - June 2023

- Overlooked and managed a **team of 40 students**, delegating tasks to executives and organizing team outreach events
- Empowered women's exploration and leadership in STEM, introducing the school's first Girls' Hour of Code
- Presented and pitched the team to worldwide companies, securing over **\$8000 in sponsorship** for the 2023 season
- Led the team to our **first District win** at University of Western Ontario, **surpassing 32 other teams**