

# David(SungJin) Suh

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<https://github.com/SungJin-Suh>

## PROFILE

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With a background in mathematics education and six years of teaching diverse student groups, strong leadership, communication, and collaboration skills have been developed. Currently transitioning to a new career path in computing as a co-op student in the Computer System Technology program at BCIT. Previous experience has developed resilience and a strong work ethic, preparing for success in the tech industry.

## EDUCATION

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**Computer System Technology Diploma Program**  
British Columbia Institute of Technology, Vancouver, BC  
CGPA: 89

*Jan 2024 - Present*

**Bachelor of Education – Secondary Mathematics**  
The University of British Columbia, Vancouver, BC

*Graduation: Aug 2020*

**Bachelor of Science – Combined Major in Science:  
Chemistry, Life Science, Mathematics**  
The University of British Columbia, Vancouver, BC

*Graduation: May 2019*

## CERTIFICATES

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**CS50x: Introduction to the intellectual enterprises of computer  
science and the art of programming**  
Harvard University

*Dec 2023*

**IBM Data Science Certificate**  
Coursera

*Jun 2023*

## TECHNICAL SKILLS

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<b>Languages</b>	Python, Java, JavaScript, C, SQL, NoSQL
<b>Web Dev</b>	HTML5, CSS3, jQuery, Express.js, Bootstrap, Tailwind CSS, Web APIs (Google Maps, Google Air Quality, OpenWeather)
<b>Databases</b>	Firebase (Cloud Firestore), MongoDB, SQLite, MySQL, IBM DB2, Microsoft SQL Server, Microsoft Access
<b>Data Analysis &amp; Visualization</b>	Jupyter Notebook, Pandas, NumPy, Matplotlib, Seaborn
<b>Tools and Workflow</b>	Git and GitHub, Agile Scrum, Markdown, Command Line

## PROJECTS

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### ProtectUs | Academic (<https://github.com/yeali-kim/2800-202410-DTC07>)

May 2024

- Collaborated with four other team members to develop a criminal web app that displays a comprehensive list of criminals through both map and list views and provides users with protection services including guardian robots, security drones, and cybersecurity packages
- Built frontend using EJS, CSS, Tailwind CSS, and JavaScript, managed backend with Node.js and Express.js, used MongoDB for data storage, and integrated the Google Maps API for mapping criminals' locations

### CampUs | QDS Hacks 2024 (<https://github.com/seogin/BCIT-Hackathon-2024-Team8>)

Mar 2024

- Collaborated with four other team members to develop a communication web app that allows BCIT students to connect with each other anonymously, discussing school life, buying and selling items, accessing career resources, and engaging in general chat
- Developed frontend with HTML, CSS, Tailwind CSS and JavaScript, and utilized Firebase for backend services, including data storage and user authentication

### AirHealth | Academic ([https://github.com/seogin/1800\\_202410\\_DTC09](https://github.com/seogin/1800_202410_DTC09))

Jan – Apr 2024

- Collaborated with two other team members to develop a health web app that provides real-time information on air pollutant levels and offers personalized recommendations based on the current air quality index for any searched city
- Designed frontend with HTML, CSS, Bootstrap, Tailwind CSS, and JavaScript, implemented backend with Firebase for real-time data handling and storage, and integrated the Google Air Quality API for retrieving air quality indices

## EXPERIENCE

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### Teacher on Call

Nov 2020 – Dec 2023

Richmond School District – Richmond, BC

- Followed established lesson plans provided by teachers to maintain curricular pacing and meet learning objectives efficiently.
- Consistently communicated with teachers who were unable to attend, ensuring seamless continuation of classroom activities.
- Maintained thorough and timely notes to keep absent teachers informed, promoting transparency and efficient communication.
- Adhered to school policies to maintain a safe, clean, and organized classroom environment, ensuring the well-being of all students.
- Established positive working relationships with school administrators and teachers during the substitute teaching assignment.