Sahil Talwar

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EDUCATION

Dalhousie University Halifax, NS
Applied Computer Science *Sept. 2022 - Present*

Emily Carr Secondary School Woodbridge, ON
Ontario Secondary School Diploma *Sept. 2018 - July. 2022*

EXPERIENCE

Software Developer November 2024 – March 2025
Halifax Blood Brain Barrier Lab *Halifax, NS*

- Developed efficient tools for lab researchers using .NET C# & WinForms
- Created all in one tools for video observation studies, behavior tracking, and automated Excel pipelines through ClosedXML eliminating manual data entry
- Automated tedious manual data entry tasks and video analysis workflows, accelerating study progress
- Worked closely with lab researchers to tailor software to their needs through regular weekly meetings & emails
- Optimized data processing workflows resulting in 100% faster graph generation

Junior Software Developer January 2025 – April 2025
Canadian Way Driver & Dalhousie University (Software Projects Class) *Halifax, NS*

- Worked alongside a diverse team to develop a website for a local driving institution throughout a semester
- Designed visually attractive client-aligned website mockups using Figma, ensuring design principals are followed and pages are user-friendly
- Built responsive front-end pages using React & Bootstrap
- Created a front-end admin dashboard interacting with MongoDB to display and update student data

Marketing & Design Assistant August 2024 – Present
Dalhousie Student Union *Halifax, NS*

- Regularly designed and delivered newsletters using SimplyCast amassing over 40,000+ impressions
- Collaborated with different departments at Dalhousie University & Dalhousie Student Union to tailor newsletters to promote their initiatives and objectives
- Created visually aesthetic posters and designs in Adobe Photoshop and Canva
- Significantly increased newsletter impressions through inclusion of eye catching graphics
- Maintained and updated company squarespace website to promote events and help students seek out resources & stay up to date

PROJECTS

Omitted

TECHNICAL SKILLS

Languages: C# Java, Python, C++, JavaScript, HTML/CSS, R, Typescript
Frameworks: React, React Native, Node.js, Next.js, .NET ,JUnit, Material-UI,
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, MongoDB, Atlas CLI
Libraries: ClosedXML, Bootstrap, Tailwind, Express, Axios, pandas, NumPy, Matplotlib