

Joonseo Lee

(226) 606-8267 | joonsauce@gmail.com | [LinkedIn/joonsauce](https://www.linkedin.com/in/joonsauce) | [GitHub/joonsauce](https://github.com/joonsauce) | joonsauce.me

Education

B. Eng. Candidate in Computer Engineering – McMaster University
September 2022 – April 2026 (expected) @ Hamilton, ON

Experience

Software Developer Co-op – BusPlanner Inc.

May 2023 – August 2023 | Waterloo, ON

- Used **ASP.NET** frameworks (**C#, HTML, Bootstrap, jQuery**) to implement QOL features, such as a user-friendly log viewer, to products in the BusPlanner Web Suite
- Tested and tracked issues for products in the BusPlanner Web Suite with **Azure DevOps**, reducing the number of bugs released to clients in each release
- Fixed bugs for products in the BusPlanner Web Suite using **ASP.NET** and **ASP.NET MVC** frameworks

Software Developer Co-op – BusPlanner Inc.

May 2024 – August 2024 | Waterloo, ON

- Created new student management tools for the BusPlanner Quick application using the **ASP.NET MVC** framework (**C#, HTML, Bootstrap, jQuery**) to improve clients' day-to-day workflows
- Refactored code for future development for client sign-up form pages using the **ASP.NET** framework to reduce development time by **more than 40%** by automating development workflows
- Designed and implemented various forms using **Justinmind** and **ASP.NET** to allow clients to sign-up for company-hosted events
- Used **ASP.NET** framework to redesign and fully implement new pages for the BusPlanner Workflow application to allow clients to work more efficiently and improve development workflows

Extracurricular Activities

SDI Team Member – McMaster EcoCAR

October 2022 – Present | Hamilton, ON

- Conducted **FEA** for new parts using **Altair Hyperworks**
- Created and presented various technical slideshows for demonstration to stakeholders using **PowerPoint**
- Developed a multibody system simulation model of the EcoCAR 5 project vehicle using **Altair MotionSolve**
- Modified existing parts with **Siemens NX** and implemented new parts onto the EcoCAR 5 project vehicle

Co-VP Attendee Relations – DeltaHacks 11

May 2024 – Present | Hamilton, ON

- Allowed the team to work **2 months** ahead of schedule by reforming workflows for the VPs and execs
- Managed work for the Attendee Relations executives to complete Attendee Package and grade applications
- Worked with various other teams to sort out venue logistics, sponsorships, and marketing materials
- Handled **160+** email threads regarding hacker applications, intra-club relations, and executive applications
- Led weekly meetings to clearly communicate objectives and ensure project schedule was followed

Projects

What's In Front Of Me? (WIFOM?)

March 2024 – April 2024 | Hamilton, ON

- ENGINEER 1P13 Course final group project – **runners-up** of the project showcase
- A wearable device to help the visually impaired be better aware of their surroundings
- Developed the camera driver and Bluetooth low-energy serial communications for the **ESP32-CAM** module using **Arduino C++**
- Developed a web interface using **HTML, CSS, and JavaScript** to communicate with the camera and the machine-learning backend
- Created a REST API for the machine-learning backend using **Flask (Python)** to communicate with the web UI

Skills

Programming: C++, C, Python, Java, MATLAB

Web Development: HTML, CSS, JavaScript (jQuery), RESTful APIs, ASP.NET, ASP.NET MVC, React Native

Development Tools: Git, TFVC, VS 2019/2022, VSCode, IntelliJ/PyCharm, Azure DevOps, Intel Quartus Prime

Miscellaneous: SystemVerilog, Microsoft Office, Justinmind, Transact SQL