Ty Irving

ty-irving.com

Email: tyirving1@gmail.com

Phone: +1-403-992-7815

EDUCATION

University of Calgary — Calgary, AB
Bachelor of Computer Science — *Sep. 2020 – Apr. 2024*

EXPERIENCE

Calgary Public Library — Calgary, AB
Software Developer Intern — *Jun 2022 - Aug 2022*

- Developed forms with React that are in production for both staff and members of the website reducing time of tasks by 50% while working with Azure apps.
- Converted form template from the original JavaScript template to the new template for use in future forms, template was converted to TypeScript.
- Collaborated and worked with team members and participated in 100% of the daily meetings for current projects familiar with SCRUM.

PROJECTS

Ticket System (Ongoing)
React.JS, TypeScript, SASS, Auth0, Go

- Planned and developed a Ticket System using a REST API that allows for the creation of tickets and handling of tickets by both customers and support that is made with React, TypeScript.
- Innovated and created a useful user interface design that allows users to engage and properly understand how the system works through the graphical interface.
- Implemented Auth0 to streamline account creation and manage user authentication.

Pathfinding Visualization
React.JS, SASS

- Designed a pathfinding visualization webpage that allows for visualization of multiple different types of pathfinding algorithms designed with use of multiple data structures built with React.

Cooking Instructor
CSS3, HTML5, C#, .NET

- Collaborated with a team in order to develop a Cooking Instructor webapp designed for a mobile phone.
- Created low-fidelity and high-fidelity prototypes, including horizontal and verticle prototypes, to illustrate the project's functionality and design.
- Utilized task centered design to ensure the project met the needs and preferences of the target audience.

Schedule Viewer
JS, CSS3, HTML5, JQuery, Django

- Led a team to create a schedule viewer for managers and employees to create and view schedules along with clocking into work and numerous other features while using Postman to document requests made to the database using the REST API.
- Participated and led multiple meetings to assign and help teamates with sections of the project.

Personal Website Portfolio
React.JS, SASS

- Built and hosted personal website portfolio that includes information about me and numerous projects.

PROGRAMMING SKILLS

- **Languages**: JavaScript, Java, TypeScript, C, C#, SQL, Go, Python, LaTeX

- **Technologies**: React, .NET, AWS, Azure, Django, JQuery, Git