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> Work History

Macro (Software Engineer)

May 2022-July 2025

- Legivered features end to end to meet external and internal asks in a fast-paced startup environment
 - LShipped diagramming tool over the course of 4 months using Typescript and React, allowing users to apply pointer events to HTML div and SVG elements stored to and edited from JSON objects constrained using Zod schemas
 - Legivered email tool over the course of 2 months that communicated with the **Gmail API**, allowing for the scalable loading/sending of emails with attachments integrated with Macro's existing file system
 - └ Shipped a feature for users to create, modify, and save annotations within a PDF viewer using Typescript, React, and PDF.js
 - Lesigned and implemented new home page using Typescript and React, enabling starring, filtering, and removal of recent files, improving **UX** and streamlining the demo process for our marketing team
- └ Expanded functionality of DOCX and PDF comparison algorithm in **C#** and conducted tests in Playwright and Go to address requests from 3+ major investors at a monthly cadence
- └ Parsed and debugged **OOXML** to identify and implement root-cause fixes for cross-software file-sharing and conversion between DOCX and PDF to improve overall app reliability
- └ Tracked and reported progress on Linear, at daily stand-ups, agile sprint-planning, and retrospectives to consistently meet deliverables
- Performed **code migration** to bring features from desktop application to in-browser
- └ Worked with GitHub actions and CI/CD pipelines to maintain code hygiene via automated tests and linting, deploy and test in dev environments, and finally deploy to the live production environment
- LAdapted UI from desktop features to accommodate screen sizes and gesture events of iOS and Android mobile platforms

Ubisoft Montreal (Tools Programming Intern)

May-August 2021

- Leading Designed and integrated reusable LitElement web components in a full-stack context
- Followed performance best practices when developing, such as asynchronous coding and reducing the volume of server calls
- Created customizable JSON configuration to generate HTML content from existing components
- Lused and debugged **Docker** containers to locally test applications
- Legion Resolved JIRA issues in Agile sprints to address user requests and meet bi-weekly deadlines

> Education -

McGill University (B.Sc. Computer Science/Biology Joint Major)

2017-2022

McGill Game Development Student Society President

2020-2021

- ^L Coordinated a team of 12 executives in organizing events such as workshops, talks, and hackathons, to build a community for student game developers at McGill University
- └ Presented club achievements and goals to internal and external sponsors to secure annual sponsorships

> Projects

The Third Law (Ubisoft Game Lab Competition Project)

January-March 2021

A physics-driven multiplayer platforming game prototype, developed in a team of 8

- Limplemented Cinemachine camera to dynamically follow two independently moving players
- LAdded **UI feedback** for player movement direction and off-screen pick-up items
- Created contextual ping system using raycasts from camera to objects through mouse position

> Skills

└─ **Key Skills**: Programming Languages -> JavaScript/TypeScript, Java, C#, Python

Web Development

-> HTML, CSS, React, Tailwind, Playwright, Postman

Version Control

-> Git, Perforce -> Adobe Photoshop, Figma

Design Game Development

-> Unity, Unreal Engine, Blender

Package Management

-> npm, yarn, bun