MESHA EDWARDSON

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TECHNICAL SKILLS

Languages	TypeScript/JavaScript, C/C++, Ruby, Python, SQL, Bash, Scala, HTML/CSS
Frameworks	React, Ruby on Rails, Next.js, Express, Numpy, Redux, Node, AWS, Mongo, MySQL, Protobuf

EDUCATION

University of Waterloo   Expected May 2025

Candidate for Bachelor of Computer Science - GPA: 3.5

WORK EXPERIENCE

Incoming Summer Associate - Software Engineer   Jul 2024 - Sep 2024
Balyasny Asset Management   *Toronto, ON*

- Working on software development projects that support the firm's investment strategies and operational needs.

Software Engineer Intern   Jan 2023 - Aug 2023
Kikoff   *San Francisco, CA*

- Spearheaded the design, implementation, and launch of several key features in Kikoff's core credit-building product with **React**, **Ruby on Rails**, and **Protobuf**, enhancing customer retention and boosting revenue.
- Developed the credit account pause feature, reducing user churn rates by **4%** and granting users financial relief.
- Created the credit account restart feature, driving **$500,000** of annual recurring revenue by enabling users to easily re-subscribe to our service.
- Built a real-time dashboard using **Pulumi**, **S3**, **AWS Lambda**, and **Snowflake** to monitor **1,000,000+** users for government compliance, reducing manual review time by **95%**.
- Created an automated lease verification system incorporating **optical character recognition** and **regular expressions**, achieving an impressive **80%** accuracy rate and reducing manual verification efforts significantly.
- Designed and documented a reusable survey tool, cutting survey creation time by **75%** and enabling instant survey updates in the mobile app.

Software Engineer Intern   Dec 2021 - Dec 2022
CapIntel   *Waterloo, ON*

- Contributed to CapIntel's portfolio comparison tool for financial advisors in **React**, **Express**, and **MongoDB**, empowering advisors to make informed investment decisions.
- Optimized the financial metric displays to fetch data on demand, reducing the backend worker load by **5 hours** per week, improving system performance and efficiency.
- Developed the sought-after Portfolio Groups feature, enabling advisors to showcase personalized goal-based investing for clients by consolidating multiple accounts into a single view.

PROJECTS

Spotify Sentences 🔗

- Developed and deployed a web app using **Next.js**, **TypeScript**, and **Vercel** using backtracking to convert English sentences to a Spotify playlist where the playlist song titles read out the sentence.
- Created a "prefer short titles" feature, reducing runtime by **90%** using Divide and Conquer and async functions.

High-Dynamic Image Ranging (Debevec Algorithm) 🔗

- Researched and engineered a **Python**-based HDRI algorithm using **Numpy**, enhancing image quality by blending multiple exposures for natural brightness and clarity.