MESHA EDWARDSON

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TECHNICAL SKILLS

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

EDUCATION

University of Waterloo — Expected Dec 2025

Candidate for Bachelor of Computer Science - GPA: 3.5

WORK EXPERIENCE

Incoming Software Engineer Intern — Sep 2024 - Dec 2024
Tensor Labs — *Toronto, ON*

- Building scalable trading infrastructure for Solana's top NFT exchange, handling $2B USD in volume.

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

- Joining the Equity Portfolio Construction & Analytics team to develop software for investment strategy support.

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

- Engineered a real-time compliance dashboard, leveraging cloud technologies like AWS Lambda and Snowflake, monitoring over 1 million users for government sanctions while slashing manual review efforts by 95%.
- Using React and Ruby on Rails, created the credit account restart and pause features, driving $500,000 of annual recurring revenue and reducing total user churn rates by 4%.
- 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.

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 🔗 — TypeScript, Next.js, Vercel

- Built a web app to convert English sentences to Spotify playlists where the song titles read out the sentence.
- Created a "prefer short titles" feature, reducing runtime by 90% using divide and conquer and async functions.
- Leveraged JS-Cookie to maintain user sessions, ensuring persistent login states and improving user experience.

High-Dynamic Image Ranging (Debevec Algorithm) 🔗 — Python, Numpy

- Implemented an HDRI algorithm that merges multiple exposures of an image, significantly improving image quality by achieving natural brightness and enhanced clarity.
- Integrated RANSAC and Homography Estimation to enable processing of misaligned images, significantly expanding the algorithm's applicability and eliminating manual pre-alignment efforts.