

# Manasbir Bagri

+1 (236) 971-0294 | bagrimanasbir@gmail.com | [manasbir.github.io](https://manasbir.github.io) | [in/manasbir](https://in.manasbir)

## Technical Skills

- Programming - Rust, TypeScript (TS), JavaScript (JS), Python, Solidity, Huff, C++, React.js
- Design - Figma, Photoshop, Inkscape

## Experience

**Software Engineer/MEV, Protecc Labs** | Full-time/Part-time, June 2023 - Present

- Earned \$100,000+ by implementing and optimizing MEV strategies in Rust.
- Managed \$500,000+ by creating market maker functionality in Rust and TypeScript.

**Contract Development, Self-employed** | Part-time May 2022 - Present

- Created a protocol with \$1.2+ million TVL using Solidity and Javascript.
- Helped rescue funds by developing programs using Rust.
- Secured 50+ first bids on NFTs by creating and optimizing strategies in TypeScript.

**Software Engineering Internship, mtz.gg** | Full-time, April 2022 - July 2022

- Created turn-based blockchain games using Solidity.
- Optimized Solidity code by minimizing storage and memory reads and writes.

## Projects

**Offline-Wallet** ([github.com/cesarhuret/offline-wallet](https://github.com/cesarhuret/offline-wallet)) | ETHWaterloo 2023

- Facilitated offline cross-chain Ethereum payments using QR codes with an app built in React Native and account abstraction infrastructure built in Solidity.

**UNAI, AI calendar/planner** ([github.com/manasbir/unai](https://github.com/manasbir/unai)) | 2023-2024

- Calendar that would adapt and learn to your specific needs, built with TypeScript, Next.js, Tailwind, and GPT 3.5.

**Watccha, Ethereum Wallet Tracker** ([github.com/manasbir/watccha](https://github.com/manasbir/watccha)) | 2023

- Modular Ethereum wallet monitoring tool with generalized calldata decoding and notifications with the ability to react on-chain, built with Rust and GPT 3.5 for decoding into natural language.

## Education

**Mathematics (Honours) Co-op, University of Waterloo** | Sept 2024 - Present

- Incoming

**International Baccalaureate Diploma Programme (IB DP), Johnston Heights** | Sept 2022 - May 2024

- President of: Touching Grass Club, Model UN, Robotics Club, and Business Club
- Final Grade: TBD/45

## Interests

- **Optimization:** Code, Open-source contributions, Square Root Algorithms (Hobby and Math Project), PvP Tetris (Top 1% APP), Speedcubing (PB: sub-15s), Jungling in League of Legends
- **Philosophy and Enlightenment:** Touching Grass, Looking at the Sky, Meditation, and Reading
- **Prev. Competitions** (Won prizes at all): ETHDenver 2022 & 2023, NwHacks HackCamp 2023, ETHSanFrancisco 2023, ETHNewYork 2023, ETHWaterloo 2023, and Paradigm CTF 2022