

# JULIEN HALDE

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## EDUCATION

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**Concordia University**, Montréal, QC

Bachelor of Computer Science (Expected 2028) · 2025 – 2028

**John Abbott College**, Sainte-Anne-de-Bellevue, QC

Diploma of College Studies (DEC), Computer Science · 2022 – 2025

- Distinctions: Winner John-Abbott Hackathon, Finalist CAE Tech 2024 Program Your Career, Dean's list (2022–2025)

## RELEVANT EXPERIENCE

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**ChargeHub** | Software Developer

Winter 2025 – Summer 2025

- Built Android features with Kotlin (Jetpack Compose), and iOS features with Swift (UIKit & SwiftUI).
- Reverse-engineered Android SDKs to identify and document security vulnerabilities.
- Improved bug-reporting system, reducing empty user submissions to 0%.
- Managed app releases on Google Play Store (versioning & release cycles).

**Ethereum Foundation** | Translator

Summer 2025

- Translated 1,000+ words of Ethereum documentation into French.

**CAVIP Swimming Club** | Head Coach

Summer 2023

- Directed a team of 15+ coaches and managed a club of 120+ swimmers.
- Organized competitions and coordinated logistics with administrators and partner clubs.

## PROJECTS

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**GeniePay** | React, TypeScript, Wagmi, Viem, RainbowKit, Solidity, Ethereum (Mainnet & Sepolia), Firebase

Summer 2025 – Present

- Developing a crypto payroll platform enabling instant, tax-conscious payouts to 1,000+ employees in a single transaction via smart contracts.
- Integrated multi-currency support (USDC, DAI, ETH, fiat) in a web dashboard for team management and payouts.
- Implemented invoice generation for each transaction to simplify accounting and reporting.

**BlockVote** | React (Vite), TypeScript, Solidity, Hardhat, Ethers.js, MetaMask, Ethereum (Sepolia)

Spring 2025

- Built a blockchain voting DApp @ Easy-A Hackathon, Consensus 2025 (Toronto).
- Designed and deployed Solidity smart contracts ensuring tamper-proof elections.
- Integrated MetaMask authentication, live vote counts, and on-chain candidate listings.

## TECHNICAL SKILLS

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**Languages & Frameworks:** JavaScript, TypeScript, Solidity, Kotlin, Java, Swift, C#, Python, React, Tailwind CSS

**Blockchain & Backend:** Ethereum (Mainnet & Sepolia), Polkadot, Hardhat, Ethers.js, Wagmi, Viem, MetaMask, RainbowKit, Smart Contracts, Firebase, PostgreSQL, MySQL, SQLite

**Tools & DevOps:** Git, GitHub, Docker, Azure DevOps, Jira, Bitbucket, CI/CD