

# 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: Top 3 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

- Participated in mobile integration for one of North America's largest EV charging networks with 350K+ users.
- Built Android features using Kotlin (Jetpack Compose) and iOS features with Swift (UIKit & SwiftUI).
- Reverse-engineered Android SDKs to identify and document critical security vulnerabilities.
- Improved the bug-reporting system, eliminating empty user submissions.
- Managed app releases on Google Play Store including versioning and release cycles.

**Ethereum Foundation** | Translator

Summer 2025

- Translated 4,000+ words of Ethereum documentation into French.

**CAVIP Swimming Club** | Head Coach

Summer 2023

- Managed team of 15 coaches and 120+ competitive swimmers with \$30K seasonal budget.
- Organized regional-level competitions with 500+ participants.
- Led club to a 20% increase in membership.

## PROJECTS

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**GeniePay** | React, TypeScript, Wagmi, Viem, RainbowKit, Solidity, Ethereum chain

Summer 2025 – Present

- Building crypto payroll platform enabling global employee & contractor tax compliant payments on Ethereum.
- Integrated Wagmi wallet authentication with EIP-191 signature verification for gasless login.
- Implemented batch transaction using Disperse smart contracts, enabling up to 800 simultaneous transfers.
- Responsive UI using React 18 + Tailwind CSS.
- Working on having tax compliant pipeline and invoices after payment, supported by crypto accounting specialist.

**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