HUSEYN AKHUNDOV

Toronto, ON 📞 647-809-5268 ✉ huseyn.akh@gmail.com 🔗 linkedin.com/in/huseyn-akh ⓖ github.com/HuseynAkh

EDUCATION

Lassonde School of Engineering : York University — Toronto, ON
Honours Bachelor of Science, Computer Science — *Sept 2019 – Dec 2023*

Schulich School of Business, Osgoode Hall Law School, Lassonde School of Engineering
Bergeron Entrepreneurs in Science & Technology program (BEST)

PROJECTS

Investment Portfolio | *JavaScript, React.js, Node.js, CSS, Git*
- Developed a Javascript + React investment tracker
- Integrated TwelveData and CoinGecko APIs for financial data
- Effectively employed prop-drilling and state management through hooks
- Improved efficiency and readability by standardizing functional components

Encrypted Messenger | *Python, PyCryptodome, bcrypt, Git*
- Implemented a 8192-bit MODP Group Diffie-Helmman Key Exchange (RFC 3526)
- Ensured message integrity through appending HMAC to all messages
- Created a root Certificate Authority to validate authenticity through digital certificates
- Protected server-side user credentials through bcrypt hashing

Multi-Signature Wallet | *Solidity, Remix*
- Developed and tested the Multi-Signature wallet contract
- Enabled the contract deployer to select owner addresses and required minimum approvals
- Created multiple events and functions to verify contract state, history, requests, and balances

Diet Planner | *Java, Edamam API, Swing, Git*
- Developed a Java based meal planner to help meet nutritional goals
- Implemented an API search function with access to over 3 million recipes and food items
- Built a comprehensive Java Swing GUI to display nutritional information and selected meals

CanSat | *Arduino, Java*
- Worked in a team of 3 people to construct a can-sized Arduino satellite
- Developed a GUI to display sensor information and photo transmission
- Installed radio transmitters and atmospheric sensors

TECHNICAL SKILLS

Languages: JavaScript, C, Python, Java, Solidity, SQL, HTML, CSS, Bash
Frameworks: React, Node.js, JUnit
Developer Tools: Linux[Debian, Fedora, Ubuntu, Kali], JetBrains IDEs, MySQL, Git, Figma, Remix, VS Code
Hardware: RISC-V, Arduino, Verilog

CERTIFICATIONS

- React Web Development: *Moralis Academy (2022)*
- Ethereum Smart Contract Programming: *Moralis Academy (2022)*
- Linux Command Line Mastery: *Internet of Things Academy, Udemy (2022)*