MORGAN MAHA BERGEN

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gitHub   github.com/morganbergen
linkedin   linkedin.com/in/morganbergen
location   Wichita, Kansas USA

Education

Wichita State University, School of Engineering   '2025
Bachelors of Science, Computer Science

Technical Skills

TypeScript, C, x86 Assembly, C++, Python, Solidity, Haskell, Verilog HDL, git, bash, zsh

Experience

Ripple Labs. New York City, NY   May – Aug 2023
Software Engineer Intern
– Proof of concept prototype stable coin monitoring tool using software solutions on Ripple's CBDC Ledger.
– XRPL public ledger monitoring of the Palau government issued USD stable coin.
– Contributions to decentralized exchanges and cross currency payment visualization tools.

The Institute for Information Sciences (I2S)   Jan – May 2022
Undergraduate Researcher   github.com/KU–Blockchain/xrp
– Contributed to XRPLedger Consensus Protocol documentation in support for Ethereum 51% Attack Research under Dr. Perry Alexander.
– Initialized local test instances of NFTs & Decentralized Applications under the XRP Ledger Consensus Protocol.

Blockchain Institute (KUBI) – Information Telecommunications Technology Center (ITTC)   May – Aug 2022
Executive Board Member – Director of Education   kublockchain.com/about/
– Directed education initiatives in Decentralized Applications (solidity, C++, python3) on Ethereum Network
– Coordinated workshops with RippleX University Blockchain Research Initiative & Encode Club

University of Kansas Achieve & Assessment Institute, Center for Public Partnership & Research May – Aug 2021
Undergraduate Researcher
– Authored the "Birth Right Dividend Fund Report" as an idea proposal for the Federally Funded Preschool
– Development Grant under the supervision of Jacqueline M. Counts, Ph.D.
– Researched interoperability, data privacy, & ethics conformity for IRIS web communication platform.

Hackathons & Projects

HackMidWest
Youtube History Parser   gitlab.com/MorganBergen/history
– Developed a YouTube History Parser CLI in Python and JavaScript.

HackKU
Environmental Data Visualization Tool   devpost.com/MorganBergen
– Dynamic Web–Application that served the user environmental data on U.S. publicly trade companies
– Prototyped & Implemented app architecture and back–end server
– GIT, Python3, SQlite3, Django, HTML5, CSS3, HTTPS

Cryptocurrency Code Base in Solidity   github.com/MorganBergen/solidity–kubi
– A multi–part lecture series on an introduction to Blockchain, Ethereum, & Smart Contracts
– Utilizing geth CLI for setting up a simple private test network on the Ethereum Blockchain
– *Geth main Ethereum CLI Client Tool, Solidity, Ethereum MainNET*

Public Health Directives (dot com)
– Developed & maintained web infrastructure with (GUI) Guideline User Interface
– Secured >30 client meetings (e.g. Major of Wichita Brandon Whipple, Williams, DDS PA)
– Total profits from this venture exceeded $2,000

Random Password Generator   github.com/MorganBergen/password–generator
– Command Line Input program that generates random 16 digit alphanumerics based on user criteria
– *C++18, C++ <algorithm> Standard Library*

(references available upon request)