

EDUCATION:

University of Maryland / College Park, MD

Graduated: May 2020

B.S in Computer Science and a Minor in Technology Entrepreneurship

- Hinman CEOs Program: 2-year Living-Learning program intended to develop business leadership skills, particularly dealing with startups
- Public Leadership Scholars Citation: 2-year program aimed at developing leadership/project management skills, along with Public Policy coursework. Culminated in a capstone where I led a small oyster restoration project

PROFESSIONAL EXPERIENCE:

Gnosis Builders

June 2022-Sept 2022

Fellowship

- Created new Dune Analytics dashboards to better visualize on-chain activity and trends for Gnosis Chain
- Updated and enhanced Gnosis documentation for new documentation site. My primary focus was around documenting how the bridges work
- Helped to solve a bridge production issue with the knowledge gained from writing docs

Tsunami Finance

May 2022

Full-Stack Web3 Software Engineer (Front-end focused)

- Created a decentralized exchange where users could trade the Luna/UST pair on the Terra blockchain using an automated market maker (AMM)
- Integrated front-end trading view and functionality (Javascript, React) with smart contracts
- Identified bugs in smart contract and implemented fixes

M&T Bank / Remote/Wilmington, DE

Aug 2020 -May 2022

TDP Software Engineer

- Collaborated with product owner to architect and implement a Risk Scoring application (Python, Flask, SQL Server, C#, Javascript and .NET) to calculate numerical risk scores to outgoing wire transactions
- Led CI/CD initiative for AGILE team
- Provided production support for multibillion dollar Wire/Check/ACH transfers
- Managed administrative responsibilities for rotational program dealing with campus recruiting
- Integrated and warehoused financial data from various data firms in new Collective Investment Trust application in a fault tolerant manner (.Net Core 5, SQL Server, RedHat Openshift, Steeltoe Hystrix)
- Manage relationships with domestic and international vendors for integration support
- Collaborate with business stakeholders and AGILE team to design and architect Collective Investment Trust management platform (.Net Core 6, SQL Server, Angular TypeScript)

GP Strategies/John Deere / Columbia, Maryland

Summer 2019

Contract Software Engineer

- Charged with developing and maintaining the Integration Test suite (Java with Spring libraries, Apache Maven, Gherkin) for the John Deere Custom Performance (JDCP) platform, spanning over 80 REST Microservices
- Identified and fixed issues pertaining to global system integration

Triangle Experience Group / Arlington, Virginia

Summer 2018

Software Engineering Intern

- Implemented mitigations in the source code (in C) for vulnerabilities exposed by the HP Fortify scan.
- Achieved ahead of schedule and within the first month of my start date.

Projects:

Uptahr LLC - Paradigm LABS

Sept-Oct 2021

- Rapidly collected requirements, architected, and built backend services for founder education platform MVP in 3 weeks (Django, GraphQL, PostgreSQL, React, AWS)
- Notable features of the platform include an article recommendation service and the ability to create teams with various user roles

TECHNICAL SKILLS:

Programming Languages (descending order of proficiency)

- Java, Python, C#, TypeScript, JavaScript, C, SQL, Solidity, Rust, C++, HTML, CSS

Frameworks, Tools and Technologies:

- .NET Core, SQL Server, Flask, Django, PostgreSQL, React, Angular, Spring, Linux/Unix Operating Systems, IBM DB2, MongoDB, GraphQL, RedHat Openshift, Gherkin, Git, Node.js, Express.js, Ajax, Underscore.js, Android SDK, Gitlab, Jupyter Notebook

Other Skills

- Extensive coursework in Machine Learning, Computer Vision, and Bioinformatic Algorithms
- Experience with Web Scraping, Data Tidying, Modeling, and Analysis